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Scientific and Technical Information Center

SEARCH REQUEST FORM

Requester's Full Name: _____ Examiner #: _____ Date: _____
Art Unit: _____ Phone Number: 2- _____ Serial Number: _____
Location (Bldg/Room#): _____ (Mailbox #): _____ Results Format Preferred (circle): PAPER DISK

To ensure an efficient and quality search, please attach a copy of the cover sheet, claims, and abstract or fill out the following:

Title of Invention: _____

Inventors (please provide full names): _____

Earliest Priority Date: _____

Search Topic:

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc., if known.

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

STAFF USE ONLY

Searcher: P. Schreiber Type of Search 4 NA Sequence (#)
Searcher Phone #: 272-2526 1 AA Sequence (#)
Searcher Location: Kensen E01A1 _____ Structure (#)
Date Searcher Picked Up: _____ Bibliographic
Date Completed: 4/5 _____ Litigation
Searcher Prep & Review Time: 15 _____ Fulltext
Online Time: 12 _____ Other

Vendors and cost where applicable

_____ STN _____ Dialog
_____ Questel/Orbit _____ Lexis/Nexis
_____ Westlaw _____ WWW/Internet
☒ In-house sequence systems Compu
_____ Commercial _____ Oligomer _____ Score/Length
_____ Interference _____ SPDI _____ Encode/Transl
_____ Other (specify)

Schreiber, David

149921E

From: Ramirez, Delia
Sent: Monday, April 04, 2005 12:16 PM
To: Schreiber, David
Subject: case 09/784,340

Hi,

I would like to request the following interference search:

1. SEQ ID NO: 1 in the nucleic acid databases
2. SEQ ID NO:3 fragments 1-500, 5000-6000, 18000-19000 in the nucleic acid databases
3. SEQ ID NO: 2 in the protein databases.

Thank you,

Delia M. Ramirez, Ph.D.
Patent Examiner
Recombinant Enzymes-Art Unit 1652
USPTO
400 Dulany Street, Remsen Bldg., 2D74, Mail room 2C70
Alexandria, VA 22314
(571) 272-0938
delia.ramirez@uspto.gov

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OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 22:53:29 ; Search time 482.995 Seconds
(without alignments)
9346.853 Million cell updates/sec

Title: US-09-784-340-1
Perfect score: 2759
Sequence: 1 caaccattgcagatcagtg.....ctgtcagccgtacgtacgcy 2759

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_NA.*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq.*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq.*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq.*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq.*
5: /cgn2_6/ptodata/1/ina/PTCUS_COMB.seq.*
6: /cgn2_6/ptodata/1/ina/backfiles.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	2331.4	84.5	2966	4	US-09-976-594-241
2	780.4	28.3	1976	4	US-09-356-806-112
3	775.6	28.1	2107	3	US-09-180-852-1
4	766	27.8	2092	4	US-09-356-806-7
5	762.8	27.6	2092	4	US-09-949-016-2594
6	762.8	27.6	2092	4	US-09-949-016-3181
7	758	27.5	2093	4	US-09-949-016-1128
8	750	27.2	1854	4	US-09-356-806-39
9	749.8	27.2	1629	4	US-09-949-016-2596
10	749.8	27.2	1708	4	US-09-949-016-2595
11	738.2	26.8	1832	4	US-09-949-016-2734
12	590.6	21.4	1323	4	US-09-949-016-2735
13	590.6	21.4	1323	4	US-09-949-016-2736
14	574	20.8	1413	3	US-09-813-918-1
15	574	20.8	1413	4	US-10-060-311-1
16	350	12.7	350	4	US-09-513-999C-3284
17	329	11.9	2339	5	PCT-US92-00282-2
18	324.4	11.8	1001	4	US-09-671-317-188
19	321.4	11.6	2351	4	US-09-949-016-76
20	321.4	11.6	2351	4	US-09-949-016-1813
21	319.8	11.6	2336	5	PCT-US92-00282-1
22	319.4	11.6	1001	4	US-09-671-317-389
23	281.8	10.2	740	4	US-09-671-317-399
24	272.2	9.9	735	4	US-09-305-856B-17
25	228.8	8.3	1001	4	US-09-671-317-390
26	203.6	7.4	18373	4	US-09-949-016-14338
27	203.6	7.4	18452	4	US-09-949-016-14337

ALIGNMENTS

RESULT 1

US-09-976-594-241
; Sequence 241, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 241
; LENGTH: 2966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 997080.1
US-09-976-594-241

Query Match	84.5%	Score	2331.4	DB	4	Length	2966
Best Local Similarity	96.2%	Pred. No.	0				
Mismatches	2443	Conservative	0	Mismatches	86	Indels	10
Gaps	5						
Qy	9	GCAGATCAGTGTGTGAGGGAACTGCCATCATGAGGTCTGACAGTCTGACAGTCTGATTTTC	68				
Db	1	GCAGATCAGTGTGTGAGGGAACTGCCATCATGAGGTCTGACAGTCTGATTTTC	60				
Qy	69	TGCTCTTCAGCTCTTCTGTGTGGTCTGATTTCTGTGGAAAGTCTGTGTGGCCT	128				
Db	61	TGCTCTTCAGCTCTTCTGTGTGGTCTGATTTCTGTGGAAAGTCTGTGTGGCCT	120				
Qy	129	GTGACATGAGCCATTTGGCTTAATGTCAAGTCTTCTAGAGAGCTCATAGTGAGAGGCC	188				
Db	121	GTGACATGAGCCATTTGGCTTAATGTCAAGTCTTCTAGAGAGCTCATAGTGAGAGGCC	180				
Qy	189	ATGAGTAAACAGTATTGACTCCTCAAGCTTCGTTAATGACTACAGGAGCTTCTG	248				
Db	181	ATGAGTAAACAGTATTGACTCCTCAAGCTTCGTTAATGACTACAGGAGCTTCTG	240				
Qy	249	CATTGAAATTTGAGGTGGTCCATATGCCACAGACAGACAGAAATGAATATTTG	308				
Db	241	CATTGAAATTTGAGGTGGTCCATATGCCACAGACAGACAGAAATGAATATTTG	300				
Qy	309	TTGACCTAGTCTTGAATGTCTTCCAGGCTTATCAACCTGGCAATCAAGTATATAAATAA	368				

Db 301 TTGACCTAGCTCTGAATGTCCTGCCAGGCTTATCAACCTGGCAATCAGTTATATAAATTAA 360
Qy 369 ATGATTTTTTTGTTGAAATGAAGGAACCTTTAAATATGATGTGTGAGAGCTTTTATCTACA 428
Db 361 ATGATTTTTTTGTTGAAATGAAGGAACCTTTAAATATGATGTGTGAGAGCTTTTATCTACA 420
Qy 429 ATCAGAGCTTTATGAAGAGCTACAGGAACCAACTACGATGTAATGCTTATAGACCCCTG 488
Db 421 ATCAGAGCTTTATGAAGAGCTACAGGAACCAACTACGATGTAATGCTTATAGACCCCTG 480
Qy 489 TGATTCCTCTGTGAGAGCTGATGGCTGAGTTGCTTCAGTCCCTTTTGTGCTCACACTTA 548
Db 481 TGATTCCTCTGTGAGAGCTGATGGCTGAGTTGCTTCAGTCCCTTTTGTGCTCACACTTA 540
Qy 549 GAATTTCTGTAGAGGCAATATGGAGCGAAGCTGTGGGAAACTTCAGAGCTCCTTTTCCT 608
Db 541 GAATTTCTGTAGAGGCAATATGGAGCGAAGCTGTGGGAAACTTCAGAGCTCCTTTTCCT 600
Qy 609 ATGTACTGTGCCCTATGACAGGACTAACACAGAGATGACCTTTCTGGAAAGAGTAAAAA 668
Db 601 ATGTACTGTGCCCTATGACAGGACTAACACAGAGATGACCTTTCTGGAAAGAGTAAAAA 660
Qy 669 ATTCAATGCTTTTCAGTTTGTCCACTTCCTGATTCAGGATTAAGGATATCAATTTTTGGG 728
Db 661 ATTCAATGCTTTTCAGTTTGTCCACTTCCTGATTCAGGATTAAGGATATCAATTTTTGGG 720
Qy 729 AAGAGTTTATAGTAGGCAATTAGGAAGGCCCACTACATATGTGAGAGCTGTGGGAAAAG 788
Db 721 AAGAGTTTATAGTAGGCAATTAGGAAGGCCCACTACATATGTGAGAGCTGTGGGAAAAG 780
Qy 789 CTGAGATATGGCTTAATACGAACATATTTGGGATTTTGAATTTCTCAACCATACCAACCTA 848
Db 781 CTGAGATATGGCTTAATACGAACATATTTGGGATTTTGAATTTCTCAACCATACCAACCTA 840
Qy 849 ACTTTGAGTTTGTGGAGGATTCGACTGTAAACCTGCCAAAGCTTTGCCCTTAAGGAAATGG 908
Db 841 ACTTTGAGTTTGTGGAGGATTCGACTGTAAACCTGCCAAAGCTTTGCCCTTAAGGAAATGG 900
Qy 909 AAAATTTTGTCCAGAGTTTCAGGGGAAGATGGTATTTGTTGGTGTCTCTGGGGTCACTGT 968
Db 901 AAAATTTTGTCCAGAGTTTCAGGGGAAGATGGTATTTGTTGGTGTCTCTGGGGTCACTGT 960
Qy 969 TTCAAATGTTTACAGAGAAAGGCTTAATATCATCTTCAGCCCTTGCCAGATCCCAC 1028
Db 961 TTCAAATGTTTACAGAGAAAGGCTTAATATCATCTTCAGCCCTTGCCAGATCCCAC 1020
Qy 1029 AGAAGTGTATGGAGGTACAAAGGAAAAAACCATTCCAGTTAGGAGCCAACTACTCGGC 1088
Db 1021 AGAAGTGTATGGAGGTACAAAGGAAAAAACCATTCCAGTTAGGAGCCAACTACTCGGC 1080
Qy 1089 TGTATGATGGATACCCAGATGATCTCTTGGTCAATCCCAAAACCAAGCTTTTATCA 1148
Db 1081 TGTATGATGGATACCCAGATGATCTCTTGGTCAATCCCAAAACCAAGCTTTTATCA 1140
Qy 1149 CTCAATGTGAATGAATGGGATCTATGAAGCTATTTTACCATGGGTCCTATGTTGGGAG 1208
Db 1141 CTCAATGTGAATGAATGGGATCTATGAAGCTATTTTACCATGGGTCCTATGTTGGGAG 1200
Qy 1209 TTCCCATATTTTGGTGTATGATGATAACATAGCTCACATGAAGGCCAAAGGAGCAGCTG 1268
Db 1201 TTCCCATATTTTGGTGTATGATGATAACATAGCTCACATGAAGGCCAAAGGAGCAGCTG 1260
Qy 1269 TAGAAATTAACCTTCAAAACCTATGACAGCGAAGATTTTACGTAGGCTTTTGAGAACAGTCA 1328
Db 1261 TAGAAATTAACCTTCAAAACCTATGACAGCGAAGATTTTACGTAGGCTTTTGAGAACAGTCA 1320
Qy 1329 TTACCGATTCCTCTTATAAGAGAAATGCTATGAGATTTTCAAGAAATTCACCATGATCAAC 1388
Db 1321 TTACCGATTCCTCTTATAAGAGAAATGCTATGAGATTTTCAAGAAATTCACCATGATCAAC 1380
Qy 1389 CTGTAAAGCCCTTAGATCGAGAGCTCTTCTGGATCGAGTTTGTATCGGCCCAAAAGGAG 1448
Db 1381 CTGTAAAGCCCTTAGATCGAGAGCTCTTCTGGATCGAGTTTGTATCGGCCCAAAAGGAG 1440

Qy 1449 CCAAGCAGCTGCGATCAGCTGCCATGACCTCACCTGGTTCAGCAGCTACTCTATAGATG 1508
Db 1441 CCAAGCAGCTGCGATCAGCTGCCATGACCTCACCTGGTTCAGCAGCTACTCTATAGATG 1500
Qy 1509 TGATTTGGGTTTCTGCTGACCTGTGTGGCAATGCTATATTTCTGTTTCAAAAATGTTTTT 1568
Db 1501 TGATTTGGGTTTCTGCTGACCTGTGTGGCAATGCTATATTTCTGTTTCAAAAATGTTTTT 1560
Qy 1569 TATTTTCTGTCACAAAATTTAATAAACTAGAAAAGATAGAAAAGAGGGAATAGATCTTTC 1628
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Qy 1629 CAAATTCAGAAAGACCTGATGGGTATCTCTGTTAAATTCAGCCACATAGAAATTTGGTG 1688
Db 1621 CAAATTCAGAAAGACCTGATGGGTATCTCTGTTAAATTCAGCCACATAGAAATTTGGTG 1680
Qy 1689 AAAACCTTGCTATTTTTCATATTTATTTCTCTGTTAATTTTATCTTAGCTATATAGCCTAGA 1748
Db 1681 AAAACCTTGCTATTTTTCATATTTATTTCTCTGTTAATTTTATCTTAGCTATATAGCCTAGA 1740
Qy 1749 ATTCCATGATATGAGGTTGTGAGTATATCTCATTTCTTTCGTTGCAATTTTCTAGGTGTG 1808
Db 1741 ATTCCATGATATGAGGTTGTGAGTATATCTCATTTCTTTCGTTGCAATTTTCTAGGTGTG 1800
Qy 1809 CTTACTCTCTCTCTCACTTTTGTGACACAGGACATGATACATCTAAATTTTCTTATTT 1868
Db 1801 TTTACTCTCTCTCTCACTTTTGTGACACAGGACATGATACATCTAAATTTTCTTATTT 1860
Qy 1869 CTGATATCACTGTTTCCATGAGCTCATTTACTTCTCTAACTTAAAGTGATAGGCTGACCTG 1928
Db 1861 CTGATATCACTGTTTCCATGAGCTCATTTACTTCTCTAACTTAAAGTGATAGGCTGACCTG 1920
Qy 1929 CAAATATGCTGATTTCTGTTGTTTGCACAAACATCATGATGATAAGAGTAAAGATGTAA 1988
Db 1921 CAAATATGATTTCTGTTGTTTGCACAAACATCATGATGATAAGAGTAAAGATGTAA 1980
Qy 1989 AATTACAAAATTCAGTAAACCAACCAATCAATGAAGCATTTCTATGACATTTAGCTTGT 2048
Db 1981 AATTACAAAATTCAGTAAACCAACCAATCAATGAAGCATTTCTATGAGATTTAGCTTGT 2040
Qy 2049 ATGAGTAAACATATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCCAGCAT 2108
Db 2041 ATGAGTAAACATATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCCAGCAT 2100
Qy 2109 TACTGATCTCAGCAATGAAATTTGCTAAATGACATGAGGCAATTTACATCAGAAATAGTT 2168
Db 2101 CAGTGAATCTCAGAAAATTAATTTGCTAAATGATGACATGGCAATTTATGCTTAGAAAAGTT 2160
Qy 2169 TGTATATTTTCCATACCTCATCTAGATGTCATAGCCCTACATTTCTGCCATCAGCTTAAC 2228
Db 2161 TGTGATTTTCCATACCTCATCTAGATGTCATAGCCCTACATTTCTGCCATCAGCTTAAC 2220
Qy 2229 TGACA - TTTTGTGTGTTCTTTGATGATAAAATAGACAGTTCTTATTTATTTGCTCCTCAAAATA 2287
Db 2221 CAATACTTTTCTGTTTCTTTGATGATAAAAGACCTTTCTCATGATTTGCCATCAATA 2280
Qy 2288 ATAAAAGAAACT - GAAATTTTCTTACATAGAGAAATGTCCTAAGATATTTCAAGTTAA 2346
Db 2281 ACAAAGAAACTATTTTCTTCTCATAGAGAAATGTCCTAAGATATTTCAAGTTAA 2340
Qy 2347 CAGATTTATTTTCCAGATAGTAACTTACAAATATGATGATTTCTGATTTCTGATTTTATAA 2406
Db 2341 CAGATTTATTTTCCAGATAGTAACTTACAAATATGATGATTTCTGATTTTATAA 2400
Qy 2407 AATTTTAAATGATAGTACACTT - ----GATTTAAATGTCTATTTCTTT - AAAATGATGAA 2459
Db 2401 AA - TTTATTTGATAGTACACTTAAAGAAATTTATGTTTATTTCTTTTAAATGATGAA 2459
Qy 2460 TACTCATAAATCTTATCTCTATAAATCAAAAGATATAATTTTACTGTAGAAAAATAAGAGAT 2519
Db 2460 TACTCATAAATCTTATCTCTATAAATCAAAAGATATAATTTTACTGTAGAAAAATAAGAGAT 2519

Qy 2520 GCTTGTCTGAAAGTAAAA 2538
Db |||||
2520 GCTTGTCTGAAAGTAAAG 2538
Db |||||

RESULT 2
US-09-356-806-112
; Sequence 112, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; TITLE OF INVENTION: 2B15 (UGT2B15) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356,806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 112
; LENGTH: 1976
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)...(1598)
US-09-356-806-112

Query Match 28.3%; Score 780.4; DB 4; Length 1976;
Best Local Similarity 68.5%; Pred. No. 2.8e-184;
Matches 1113; Conservative 0; Mismatches 501; Indels 12; Gaps 2;

Qy 35 ATCATGAGTCTGACAGTCAAGTTGGTATTTCTGCTCTGCGAGCTCTTCTGT---GTT 91
Db |||||
5 ACCAGGATGCTCTGAAATGGACGTCAGTCTTCTGCTGATACAGCTCAGTTGTACTTT 64

Qy 92 GGCTGTGATCTCTGGGAAAGTCTGTGTGGCCCTGTGACATGAGCCATTGGCTTAAT 151
Db |||||

Qy 65 AGCTCTGGAAGCTGTGGAAGGTGTGTGTGGCCACAGAAATCAGCCATTGGAATTAAT 124
Db |||||

Qy 152 GTCAAGGTCAATCTAGAGAGCTCATAGTGAGAGCCATGAGGTAACAGTATTGACTCAC 211
Db |||||

Qy 125 ATGAAGACAACTCTGGAAGAGCTTGTTCAGAGGGGTCAATGAGGTGACTGTGTGACATCT 184
Db |||||

Qy 212 TCAAGCCTTCGTTAATTTGACTACAGGAGCCTTCTGCAATTTGAAATTTGAGGTGGTCAT 271
Db |||||

Qy 185 TCGGCTTCTACTCTTGTCAATGCCAGTAAATCATCTGCTATTAATAATTAGAAGTTTATCCT 244
Db |||||

Qy 272 ATGCC-----ACAGGACAGAACAGAGAAATGAAATATTTGTTGACCTAGCTCTG 322
Db |||||

Qy 245 ACATCTTTAACTAAATGATTTGGAAGATTTCTCTCTGAAATTTCTGATAGATGGATA 304
Db |||||

Qy 323 AATGCTTTGCGAGGCTATCAACCTGGCAATCAGTTATATAAATTTAAATGATTTTGTGTT 382
Db |||||

Qy 305 TATGGTGTTCAAAAAATACATTTTGGTCAATATTTTTCACAAATTAACAAGATTTGTGTG 364
Db |||||

Qy 383 GAAATAGAGAACTTTAAAAATGATGTGTGAGAGCTTTATCTCAATATCAGACGCTTATG 442
Db |||||

Qy 365 GAATATTTATGACTACAGTAACAAGCTCTGTAAAGATGCAAGTTTGAATTAAGAACTTATG 424
Db |||||

Qy 443 AAGAAGCTACAGGAAACCACTACGATGTAATGTTATAGACCTGTGATTCCTGTGGA 502
Db |||||

Qy 425 ATGAACTACAGAGTCAAGTTGATGTCAATCTGGCAGATGCCCTTAATTCCTGTGGT 484
Db |||||

Qy 503 GACCTGATGGCTGAGTTGCTTGGAGTCCCTTTTGTGCTCACAATTTAGAAATTTCTGTAGGA 562
Db |||||

Qy 485 GAGTACTGGCTGAATTTAAATACCTTTTCTGTACAGTCTTCGATTTCTGTGTGGC 544
Db |||||

Qy 563 GGCAATATGGAGGAAAGCTGTGGGAAACTTCCAGCTCCACTTTCTATGTAACCTGTGCT 622
Db |||||

Db 545 TACACATTTGAGAGAATGTTGGAGGATTTCTGTTCCTCTCTTCTCTATGTACCTGTGTT 604
Qy |||||
623 ATGACAGGACTAACAGACAGAAATGACCTTTCTGGAAGAGTAAAAAATTCATGCTTTCA 682
Db |||||
605 ATGTCAGAAATTAAGTGATCAATGATTTTTCATGAGAGGATAAAAAATATGATACATATG 664
Qy |||||
683 GTTTTGTTCACATTTCTGATTCAGGATTAAGCATATCATTTTTCGGAAGAGTTTATATAGT 742
Db |||||
665 CTTTATTTTGAATTTTGTGTTTCAAAATTTATGATCTGAAGAAGTGGGACAGTTTATATAGT 724
Qy |||||
743 AAGSCATTTAGGAAGGCCCACTACATTAATGTGAGACTGTGGGAAAGCTGAGATATGGCTA 802
Db |||||
725 GAAGTTCTAGGAAGACCACATACATTAATTTGAGACAATGGGAAAGCTGAATATGGCTC 784
Qy |||||
803 ATACGAACATATTTGGGATTTTGAATTTCTCAACACATCAACACCTTAATTTTGAATTTGTT 862
Db |||||
785 ATTGGAACCTATTGGGATTTTGAATTTCTCGCCCATTTCTTACCAATTTTGAATTTGTT 844
Qy |||||
863 GGAGGATTCACATGTAACCTGCAAAAGCTTTGCTTAAGGAATTTGGAATTTTGTCTCAG 922
Db |||||
845 GGAGGACTTCACTGTAAACCCAGCCAAACCTGCTTAAGGAAATGGAAGAGTTTGTGCGAG 904
Qy |||||
923 AGTTTCAGGGAAGATGTTTGTGTTTCTCTGCGGTCACCTGTTTCAAAATGTTTACA 982
Db |||||
905 AGCTCTGGAGAAATGTTTGTGTTTCTCTGCGGTCGATGATCAGTAACATGTCA 964
Qy |||||
983 GAAGAAAGGCTAATATCATTTGCTTTCAGCCCTTCCCCAGATCCCAAGAGGTTTATGG 1042
Db |||||
965 GAAGAAAGTGCACATGATTTGATCAGCCCTTGCACAGATCCCAAGAGGTTTCTATGG 1024
Qy |||||
1043 AGGTACAAAGGAAAGAAACCATCCATTCATTAAGAGCCAAATACTCGGCTGTATGATGGATA 1102
Db |||||
1025 AGATTTGATGCAAGAGCAAAATACTTTAGTTTCCAAATACTCGACTGTCAAGTGGTTA 1084
Qy |||||
1103 CCCAGAGATGATCTTCTTGTGTCATCCCAAGCAAGAGCTTTTATCACTCATGTTGGATG 1162
Db |||||
1085 CCCAGAGATGATCTTCTTGTGTCATCCCAAGCAAGAGCTTTTATCACTCATGTTGGAAAC 1144
Qy |||||
1163 AATGGGATCTATGAAGCTATTTTACCATGGGTCTCTATGGTGGAGTTTCCCATATTTGGT 1222
Db |||||
1145 AATGGCATCTATGAGGCGATCTACCATGGGATCCCTATGTTGGGATTTCCCTGTTGGG 1204
Qy |||||
1223 GATCAGCTTGAATAACATAGTCTACATGAAGCCAAAGAGGAGCTGTAGAAATTAACCTTC 1282
Db |||||
1205 GATCAACATGATAAATGCTCTCAATGAAGCCAAAGGAGCAGCCCTCAGTGTGGACATC 1264
Qy |||||
1283 ABACTATGACAGGAGGATTTTACTGAGGCTTTGAGAACAGTCAATTCAGATTCCTCT 1342
Db |||||
1265 AGGACCATGTCAAGTAGAGATTTGCTCAATGTCATTTGAAGTCAGTCAATTAATGACCTGTC 1324
Qy |||||
1343 TATAAGAGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTGTAAAGCCCTTA 1402
Db |||||
1325 TATAAGAGAAATGCTATGAAATTTATCAAGAAATTCATCATGACCAACCAATGAAGCCCTG 1384
Qy |||||
1403 GATCAGCAGTCTTCTGGATTCGAGTTTGTATGCGCCACAAAGAGGCAAGCACTGCGA 1462
Db |||||
1385 GATCAGCAGTCTTCTGGATTCGAGTTTGTATGCGCCACAAAGAGGCAAGCACTGCGA 1444
Qy |||||
1463 TCAGCTGCCCATGACCTCAGCTTCCAGCACTACTCTATAGATGTGATTTGGTTCCTG 1522
Db |||||
1445 GTGCGAGCTCACAACTCAGCTGATCCAGTACCACTCTTTGGATGTGATGAGCATTCCTG 1504
Qy |||||
1523 CTGACCTGTGTGGCACTGCTATATTTCTGTTTCAAAAATGTTTATTTTCTCTGTCAA 1582
Db |||||
1505 CTGCGCTGTGTGGCACTGATATTTATCATCAAAAATTTTGCCTGTTTGTGTTCCGA 1564
Qy |||||
1583 AAATTTTAAATAAATAAGATAAGAAAGAGGGAATAGATCTTTTCAAAATTCAGAAAG 1642
Db |||||
1565 AAGCTTCCCAAAACAGGAAAGAGAAAGAGATAGTTATATCAAAAGCCGTAAGTG 1624
Qy |||||
1643 ACCTGA 1648
Db |||||
1625 GAATGA 1630

RESULT 3
 US-09-180-852-1
 ; Sequence 1, Application US/09180852
 ; Patent No. 6287834
 ; GENERAL INFORMATION:
 ; APPLICANT: BELANGER, Alain
 ; APPLICANT: HUM, Dean W.
 ; APPLICANT: BEAULIEU, Martin
 ; APPLICANT: LEVESQUE, Eric
 ; TITLE OF INVENTION: CHARACTERIZATION AND USE OF AN ISOLATED URIDINE
 ; TITLE OF INVENTION: DIPHOSPHO-GLUCURONOSYLTRANSFERASE
 ; FILE REFERENCE: 1259-449
 ; CURRENT APPLICATION NUMBER: US/09/180,852
 ; CURRENT FILING DATE: 1999-02-08
 ; EARLIER APPLICATION NUMBER: PCT/CA97/00328
 ; EARLIER FILING DATE: 1997-05-16
 ; EARLIER APPLICATION NUMBER: US 08/649,319
 ; EARLIER FILING DATE: 1996-05-17
 ; NUMBER OF SEQ ID NOS: 2
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 1
 ; LENGTH: 2107
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (52)..(1644)
 US-09-180-852-1

Query Match 28.1%; Score 775.6; DB 3; Length 2107;
 Best Local Similarity 68.3%; Pred. No. 4.6e-183;
 Matches 1110; Conservative 0; Mismatches 504; Indels 12; Gaps 2;

QY	35	ATCATGAGGCTGACAAGTCAGCTTTGGTATTTCCTGCTCCTGCAGCTCTCTGT---	GTT	91
Db	46	ACCAGGATGCTCTGGAATGGAGTCAGTCTCTCTGCTGATGTCAGCTCAGTTGTACTTT		105
QY	92	GGCTGTGGATTCTGTGGAAAGTCCTGGTGTGGCCCTGTGACATGAGCCATGGCTTAAT		151
Db	106	AGCTCTGGAGTTGTGGAAGGTCTGGTGTGGCCCAAGATACAGCCATGGATAAAT		165
QY	152	GTCAGGTCAATCTAGAAGAGCTCATAGTGAAGGCCATGAGGTAAACAGTATGACTCAC		211
Db	166	ATGAAGACAATCCTGGAAGAGCTGTTCAGAGGGGTATGAGGTGATTTGTTCACATCT		225
QY	212	TCAAAGCCTTCGTTAAATTGACTACAGGAAGCTTCTGCTCATTTGAATTTGAGGTGGTCCAT		271
Db	226	TCGGCTTCTATTCTTTGTCATATGCCAGTAAATCATCTGCTATTAATATAGAAAGTTATCCT		285
QY	272	ATGCCACAGGACAGAACAGAGAAAATGAATAATTT-----GTTGACCTAGCTGTG		322
Db	286	ACATCTTTAACTAAATAATGATTTGGAAGATTTTTTATGAAAATGTTTCGATAGATGGACA		345
QY	323	AATGCTTGCCAGCCTTATCAACCTGGCAATCAGTTATAAATTAATGATTTTTTTGTT		382
Db	346	TATAGTATTTCAAAAAATACATTTTGGTCATATTTTTCACAACTACAAGAAATGTGTGG		405
QY	383	GAATAAGAGGAACCTTTAAATAATGATGTGAGAGCTTTATCTACAATCAGACGCTTATG		442
Db	406	GAATATTTGACTATATAATAAGCTCTGTGAAGATGCAGTTTGAACAAGAACTTATG		465
QY	443	AAGAAGCTACAGGAAAACAACACTACAGTGAATATGCTTATAGACCTGTGATTCCTGTGGA		502
Db	466	AGAAAACTACAAGAGTCAAAATTTGATGTCTCTTGGCAGATGCCGTTAATCCCTGTGGT		525
QY	503	GACCTGATGGCTGAGTTGCTTTGTCAGTCCCTTTTGTGCTCACACTTAGAATTTCTGTAGGA		562
Db	526	GAGCTGCTGGCTGAACTACTTTAAACATACCTTTTCTGTACAGTCTCCGCTTCTCTGTGGC		585
QY	563	GGCAATAATGGACGAAGCTGTGGGAAAACCTCCAGCTCCACTTTCTATGTACCTGTGCCT		622

RESULT 4
US-09-356-806-7
; Sequence 7, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE REFERENCE: 2B15 (UGT2B15) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356,806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 2092
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (38)...(1621)
US-09-356-806-7

Query Match 27.8%; Score 766; DB 4; Length 2092;
Best Local Similarity 68.7%; Pred. No. 1.1e-180;
Matches 1102; Conservative 0; Mismatches 490; Indels 12; Gaps 3;

Qy 34 CATCATGAGTCTGACAAAGTCAGCTTTGGTATTTCTGCTCTGCTGAGCTCTTCTGT---GT 90
Db 31 CATCAGGATGCTATGAATGAGCTTCAGCTCTTCTGCTGATACAGCTGAGCTGTACTT 90

Qy 91 TGGCTGTGGATTCGTGGGAAAGTCCTGGTGTGGCCCTGTGACATGAGCCATTTGGCTTAA 150
Db 91 TAGCTCTGGGAGTTGTGGAAAGTGCTGGTGTGGCCCAACAGAAATTCAGCCACTGGATCAA 150

Qy 151 TGTCAAGTCTATTAGAGAGCTCATAGTCAGAGGCCATGAGCTAACAGTATTGACTCA 210
Db 151 TATAAAGACAATCTGGATGAACCTTGTCCAGAGAGGTCATGAGGTGACTGTATTGGCATC 210

Qy 211 CTAAAGGCTTCGTAAATTGACTACAGGAAGCCTTCTGCAATTGAAATTTGAGGTGGTCCA 270
Db 211 TTGAGCTTCCATTTCTTCGATCCCAACAGCCCATCTACTCTTAAATTTGAGTTTATCC 270

Qy 271 TATGCCACAGACAGAACAGAGAAATGAAATATTTTGGACCTAGCTCTGA-----A 324
Db 271 TGTATCTTTAACTAAACCTGAGTTTGAGGATATTATCAAGCAGCTGGTTAAGAGATGGGC 330

Qy 325 TGTCTTGGCAGGCTTATCAACTGGCAATCAGTTTATAAATTAATGATTTTGTGTGA 384
Db 331 AGAACTTCCAAAGACACATTTTGGTCATATTTTTCACAGTACAGAAATCATGTGGAC 390

Qy 385 AATAAGAGAACTTTAAATAATGATGTGAGAGCTTTTATCAATACAGAGCTTTATGAA 444
Db 391 ATTTAATGACATACTAGAAAGTTCTGTAAAGATATAGTTTCAAATAGAAACTTATGAA 450

Qy 445 GAAGCTACAGAAACCAACTACGATGTAATGCTTTATAGACCTGTGATTCCTCTGGAGA 504
Db 451 GAAACTACAGAGTCAAGATTTGATTTGTTCTTTCGAGATGCTGTTTTCCCTTTGGTGA 510

Qy 505 CTTGATGGCTGAGTTGCTTGGAGTCCCTTTTGTGCTCACATTAGAAATTTCTGTAGAGG 564
Db 511 GCTGCTGGCCGAGTTACTTAAATAACCTTTTGTCTACAGCTCCGCTTCTCTCTGGCTA 570

Qy 565 CAATATGAGGGAAGCTGTGGAAACTTCCAGCTCCACTTTTCTTATGTACCTGTGCTTAT 624
Db 571 CGCAATTTGAAAGCATAGTGAGGACTTCTGTTCCCTCTCTTCTGATGCTGTGTAT 630

Qy 625 GACAGGACTAACAGACAGAATGACCTTTCTGGAAAGAGTAAATAATTCATATGCTTTTCAGT 684

Db 631 GTCAGAACTAAGTGACCAAAATGACTTTTCATAGAGAGGGTAAATAATATGATCTATGTGCT 690
Qy 685 TTTGTTCCACTTCTGGATTTCAGGATTACGACTATCATTTTGGGAGAGTTTATAGTAA 744
Db 691 TTATTTGAAATTTTGGTTTCCAAATATTGATGAAGAAGTGGGATCAGTTCTACAGTGA 750
Qy 745 GGCATTAGGAAGGCCCACTACATTTATGTGACACTGTGGGAAAAGCTGAGATATGGCTAAT 804
Db 751 AGTTCTAGGAAGACCCACTAGTTTATCTGAGACAAATGGCAAAAGCTGACATATGGCTTAT 810
Qy 805 ACGAACATATTGGGATTTTGAATTTCTCTCAACCATACCAACCTAACCTTTGAGTTTGGTGG 864
Db 811 TCGAACACTACTGGGATTTTCAATTTCTCTACCCACTCTTACCAAAATGTGAGTTGCTGGTGG 870
Qy 865 AGGATTCACCTGTAAACCTGCCAAAGCTTTGCTCTAGGAAATGAAAATTTTGTCCAGAG 924
Db 871 AGGACTCACTGCAAACTGCCAAACCCCTACCAAGAAATGGAAGAGTTTGTCCAGAG 930
Qy 925 TTCAGGGGAAAGATGGTATTGTGTGTTTCTCTCGGGGTCACTGTTTCAAAATGTTACAGA 984
Db 931 CTCTGGAGAAAATGCTGTGTTGTTTCTCTCGGGTTCGATGTCAGTACACGTCAGA 990
Qy 985 AGAAAAGGCTAATATCATTTGCTTCAGCCCTTGGCCAGATCCCAAGAGGTGTTATGGAG 1044
Db 991 AGAAAGGGCCAAATGTAATTTGCATCAGCCCTTGGCCAAAGATCCCAAAAAGGTTCTGTGGAG 1050
Qy 1045 GTACAAAAGGAAAACCAATCCACATTAGGAGCAATACCTCGGCTGTATGATGGATACC 1104
Db 1051 ATTTGATGGGAATAAACAAGATCTTTTAGGACTCAATACCTCGGCTGTACAAAGTGGATACC 1110
Qy 1105 CCAGAAATGATCTTCTTGGTTCATCCCAAAACCAAAAGCTTTTATCACTCATGTGGAAATGAA 1164
Db 1111 CCAGAAATGATCTTCTTGGTTCATCCCAAAACCAAAAGCTTTTATCACTCATGTGGAGCCAA 1170
Qy 1165 TGGATCTATGAAGCTATTTACATGAGGCTTCCCTATGTTGGGAGTTCCTCATATTTGTTGGA 1224
Db 1171 TGGCATCTATGAGGCAATACCAATGGAATCCCTATGTTGGGCGTTCCTATGTTTGCAGA 1230
Qy 1225 TCAGCTTGATAACATAGCTCACATGAGGCAAGGCAAGGAGCAGCTGTAGAAATAAACTTCAA 1284
Db 1231 TCAACCTGATAACATTCACACATGAGGCAAGGCAAGGAGCAGCTGTAGTTGGACTTCCA 1290
Qy 1285 AACTATCACAAAGCAAGATTTTACTGAGGCTTTGAGAAACAGTCAATTACCGATTCCTCTTA 1344
Db 1291 CACAATGTCGAGTACAGACTTACTCAATGACTGAACAGCAGTAAATTAATGATCTTATA 1350
Qy 1345 TAAAGAAATGCTATGAGATTTCAAGAAATTCACCATGATCAACCTGTAAAGCCCTTAGA 1404
Db 1351 TAAAGAAATGCTATGAAATTTATCAAGAAATTCATCATGATCAACAGCAGTGAAGCCCTTGA 1410
Qy 1405 TCGAGCAGTCTTCTGGATCGAGTTTGTATGCGGCCCAAGAGGAGCCAGCAGCTTGGATC 1464
Db 1411 TCGAGCAGTCTTCTGGATGAAATTTTGTATGCGGCCATAAAGGAGCCAGCAGCTTGGGT 1470
Qy 1465 AGCTGCGCATGACCTCACCTGCTTCCAGCAGTCTCTATAGATGTGATTTGGTTCTCTGCT 1524
Db 1471 TCGAGCCCAAGCAGCTCACCTGCTTCCAGTACCAGTCTTGTGATGTGACTGGGTTCTGCT 1530
Qy 1525 GACTGTGTGGCACTCTCTATATTTTGTTCACAAAATGTTTTTATTTTCTCTCTCAAAA 1584
Db 1531 GGCTGTGTGGCACTCTGATATTTTCATCATCAAAAATGCTGTGTTGTGTCTG---GAA 1587
Qy 1585 ATTAAATAAACTAGAAAGATAGAAAGGAGGATAGATCTTTC 1628
Db 1588 GTTTGTTAGAACAGGAAAGGAGGAGGAGATTAATACGTC 1631

RESULT 5
US-09-949-016-2594
; Sequence 2594, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:


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; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3181
; LENGTH: 2092
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-3181

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Query Match		27.6%;	Score 762.8;	DB 4;	Length 2092;
Best Local Similarity		68.6%;	Pred. No. 7.1e-180;		
Matches 1100;		Conservative	0;	Mismatches 492;	Indels 12; Gaps 3;
Qy	34	CATCATCAGGCTCTGACAAAGTCAGCTTTGGTATTTCTGCTCCTGCAGCTCTCTGT---	Gt	90	
Db	31	CATCAGGATGTCTATGAAATGGACTTCAGCTCTTCTGCTGATACAGCTGAGCTGTACTT		90	
Qy	91	TGGCTGTGGATTTCTGTGGGAAAGTCCTGGTGTGGCCCTGTGACATGAGCCATTTGGCTTAA		150	
Db	91	TAGCTCTGGGAGTTGTGGAAAGTGCTGTGTGGCCACAGAAATTCAGCCATGGATGAA		150	
Qy	151	TGTCAAAGGTCAATCTAGAAGAGCTCATAGTGAGAGGCCATGAGGTAAACAGTATTGACTCA		210	
Db	151	TATAAAGACAATCCTGGATGAATGTGTCCAGAGAGGTCAACAGGTGACTGTATTGGCATC		210	
Qy	211	CTCAAGCCCTTCGTTAATTGACTACAGGAAGCCTTCTGCATTGAAATTTGAGGTGGTCCA		270	
Db	211	TTCAGCTTCATTTCTTTTCGATCCCAAGCCCACTACTCTTAAATTTGAAGTTTATTC		270	
Qy	271	TATGCCACAGGACAGAAACAGAGAAATGAAATATTTGTTGACCTAGCTCTGA-----A		324	
Db	271	TGTATCTTTAACTPAAACTGAGTTTGAGGATATTTATCAAGCAGCTGTTAAGAGATGGC		330	
Qy	325	TGCTTGCCAGGCTTATCAACCTGGCAATCAGTTTATAAAATTAATGAATTTTTTTGTGA		384	
Db	331	AGAACTTCCAAAAGACACATTTTGGTCATATTTTTTCAAAAGTACAAGAAATCATGTGGAC		390	
Qy	385	AATAAGAGGAACTTTAAAAATGATGTGAGAGCTTTTATCTCAATCAGAGCTTATGAA		444	
Db	391	ATTTAATGACATCTTGAAGAAGTTCTGTAAAGGATATAGTTTCAAAATGAAGAACTTATGAA		450	
Qy	445	GAAGCTACAGGAACCAACTACGATGTAATGCTTTATAGACCTGTGATTCCTCTGTGAGA		504	
Db	451	GAAACTACAGAGTCAAGATTTGATGTGTTCTTGAGATGCTGTTTCCCTTTGGTGA		510	
Qy	505	CCTGATGGCTGAGTTGCTTGAGTCCCTTTGTGCTCACACTTAGAAATTTCTGPAAGAGG		564	
Db	511	GCTGCTGGCCGAGTTACTTAAATACCTTTGCTACAGGCTCGGCTTCTCTCTGGCTA		570	
Qy	565	CAATATGGAGGGAAGCTGTGGGAAACHTTCAGCTCCTTCTCTATGTAACCTGTGGCTAT		624	
Db	571	CGCAATTTGAAAAGCATAGTGGAGACTTCTGTTCCCTCCTTCTCTATGTGCTGTGTTAT		630	
Qy	625	GACAGGACTAACACAGACAAGATGACCTTTCTGGAAGAGTAAAAATTCATGCTTTCCAGT		684	
Db	631	GTCAAGAACTAAGTGACCAATATGACTTTCAATAGAGAGGTTAAAAATATGATCTATGTGCT		690	
Qy	685	TTTTGTTCCACTCTGGGATTCAGGATTAACGACTATCATTTTTTGGGAAGAGTTTTATAGTAA		744	
Db	691	TTATTTTGAATTTTGGTTCCAAATATTTGACATGAAGAAGTGGGATCAGTTCTACAGTGA		750	
Qy	745	GGCATTTAGGAAGGCCCACTACATATGTGAGACTGTGGGAAAAGCTGAGATATGGCTAAT		804	
Db	751	AGTTCTAGGAAGACCCACTACGTTATCTGAGACAATGGCAAAAAGCTGACATATGGCTTAT		810	
Qy	805	ACGAACATATTTGGATTTTGAATTTCTCAACCATACCAACTCACTTTTCAGTTTGTGTTG		864	
Db	811	TCGAAACTCTGGGATTTTCAATTTCTCACCCACTCTTACCAATATGTTGAGTTCGTGTG		870	
Qy	865	AGGATTTGCATCTGAAACCTGCCAAAGCTTTGCCCTTAAGGAAATGAAAAATTTTGTCCAGAG		924	

TYPE: DNA
ORGANISM: Human
US-09-949-016-1128

Query Match 27.5%; Score 758; DB 4; Length 2093;
Best Local Similarity 68.4%; Pred. No. 1.1e-178;
Matches 1097; Conservative 0; Mismatches 495; Indels 12; Gaps 3;

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QY 34 CATCATGAGGTCTGACAGTCTAGCTTTGGTATTTCTGCTCCGCGAGCTCTTCTGT---GT 90
DB 31 CATCAGGATGTCTATGAATGGACTTTTCAGCTCTTCTGCTGATACAGCTCAGCTGTACTTT 90
QY 91 TGGCTGTGATCTCTGGGAAAGTCTGCTGGCCCTGTGACATGAGCCATTGGCTTAA 150
DB 91 TAGCTCTGGAGTGTGGAAAGTCTGCTGGCCCAAGAAATTCAGCCATCGGATGAA 150
QY 151 TGTCAAGGTCAATCTTAGAGAGCTCATAGTGAGAGGCCATGAGTAAACAGTATTGACTCA 210
DB 151 TATAAAGACAATCTTGATGAACTTGTCCAGAGAGGTCATGAGGTGACTGTATTGGCATC 210
QY 211 CTCAAAGCCTTCGTTAAATGACTACAGGAAGCCTTCTGCAATGAAATTTGAGGTGGTCCA 270
DB 211 TTCAGCTTCATTTCTTTCCATCCCAACAGCCCATCTACTCTAAATTTGAAAGTTTATCC 270
QY 271 TATGCCACAGGACAGACAGAAATGAATATTTGTTGACCTAGCTCTGA-----A 324
DB 271 TGTATCTTTAACTAAACCTGAGTTTGAGGATATTATCAAGCAGCTGTTTAAAGAGATGGGC 330
QY 325 TGTCTTGGCCAGGCTTATCAACCTGGCAATCAGTTTATAAATTAATGATTTTTTTGTTGA 384
DB 331 AGAATCTTCCAAAGACACATTTTGGTCATATTTTTCACAAGTACAAGAAATCATGTGGAC 390
QY 385 AATAAGAGAACTTTAAATGATGTGAGAGCTTTTATCTACAATCAGACGCTTATGAA 444
DB 391 ATTAAATGACACTTTAGAAAGTCTCTGTAAGGATATAGTTTCAAAATAGAAACTTTATGAA 450
QY 445 GAAGCTACAGGAACCACTACGATGTAATGCTTATAGACCTGTGATTCCTGTGGAGA 504
DB 451 GAACTACAGGAGTCAAGATTTGATGTGTTCTTGAGATGCTGTTTCCCTTTTGGTGA 510
QY 505 CTTGATGGCTGAGTCTCTGAGTCCCTTTTGTGCTCACACTTAGAAATTTCTGTAGGAGG 564
DB 511 GCTGCTGGCCGAGTTACTTAAATACCTTTTGTCTACAGGCTCGCTTCTCTCTGGCTA 570
QY 565 CAATATGGAGCGAAGCTGTGGGAACTTCAGCTCCACTTCTATGATACCTGTGCTGCTAT 624
DB 571 CGCAATTTGAAAGCATAGTGGAGACTTCTGTTCCCTTCTCTATGTCCTGTTGTTAT 630
QY 625 GACAGCACTAACACAGACAGATGACCTTTCTGGAAGAGTAAATAATCAATGCTTCACT 684
DB 631 GTCAGAACTAAGTGAACCAATGACTTTCATAGAGAGGGTAAATAATGATCTATGTGCT 690
QY 685 TTGTTTCCACTTCTGATTCAGGATTCAGACTATCATTTTTTGGGAAGAGTTTATAGTAA 744
DB 691 TTATTTGAAATTTGTTTCCAAATATTTGACATGAAGATGGGATCACTTCTACAGTGA 750
QY 745 GGCATTAGGAAGCCCACTACATATATGTGAGACTGTGGGAAAGCTGAGATATGGCTAT 804
DB 751 AGTTCTAGGAAGACCCCACTACGTTATCTGAGACAAATGGCAAAAGCTGACATATGGCTTAT 810
QY 805 ACGAACATATTGGGATTTTGAATTTTCTCAACATACCAACCTTACTTTGAGTTTGTGG 864
DB 811 TCGAAACTACTGGGATTTTCAATTTCTCACCACCTTTACCAAAATGTTGAGTTGCTGG 870
QY 865 AGGATTGCACTGTAAACCTGCCAAAGCTTTGCTTAAGGAAATGGAAATTTTGTCCAGAG 924
DB 871 AGGACTCCACTGCAACCTGCCAAACCTTACCGAAGGAAATGGAAGATTTGTCCAGAG 930
QY 925 TTCAGGGGAGATGGTATTTGTTGTTTCTCTGGGGTCACTGTTTCAAAATGTTTACAGA 984
DB 931 CTCTGGAGAAATGGTGTGTTGTTTCTCTGGGGTGGATGGTTCAGTAAACACGTCAGA 990
QY 985 AGAAAGGCTAATATCATTTGCTTTCAGCCCTTGCCAGATCCCAAGAGGTGTTATGGAG 1044
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DB 991 AGAAAGGCCAATGTAAATTGCATCAGCCCTTGCCAAAGATCCACAAAAGGTTCTGTGGAG 1050
QY 1045 GTACAAAGGAAAAAACCATCCACATTAGAGCCAAATCTCGGCTGTATGATGTGATACC 1104
DB 1051 ATTTGATGGGAATAAACAGATACTTTAGGACTCAATACTCGGCTGTACAGTGATACC 1110
QY 1105 CCAGATCATCTTCTTGTGTCATCCCAAAACCAAGCTTTTATCACTCATGTGGTGAATGAA 1164
DB 1111 CCAGATCATCTTCTTGTGTCATCCCAAAACCAAGCTTTTATCACTCATGTGGTGAATGAA 1170
QY 1165 TGGGATCTATGAAGCTATTACCATGGGCTCCCTATGGTGGAGTTCCCATATTTGGTGA 1224
DB 1171 TGGCATCTATAAGGCAATCTCTCTAGAAATCCCTATGGTGGCGTTCCATTTGTCAGA 1230
QY 1225 TCAGCTTGATTAACATAGCTACATGAAGGCCAAAGGAGCAGCTGTAGAAATAAACTTCAA 1284
DB 1231 TCAACCTGATAAATGTCACACATGAAGGCCAAAGGAGCAGCTGTAGTTTGGACTTCCA 1290
QY 1285 RACTATGCAAGCGAAGATTTACTGAGGCTTTGAGAACAGTCATTACGATTCCTCTTA 1344
DB 1291 CACAATGTCGAGTACAGACTTACTCAATGCATGGAAGACAGTAAATATGATCCTTTATA 1350
QY 1345 TAAAGAGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTGTAAAGCCCTAGA 1404
DB 1351 TAAAGAGAAATGCTATGAAATTTATCAAGAAATTCATCATGATCAACAGTGAAGCCCTTGA 1410
QY 1405 TCGACAGTCTTCTCGATCGAGTTTGTATGCGCCACAAAGGAGCAGACCTCGGATC 1464
DB 1411 TCGACAGTCTTCTCGATGAAATTTGTATGCGCCATAAAGGAGCAGACCTTCGGGT 1470
QY 1465 AGCTGCCCATGACCTCAGCTGTTCCAGACTTACTCTATAGATGTGATGGTTCCTGCT 1524
DB 1471 TGCAGCCCAAGACCTCAGCTGTTCCAGTACCACTCTTTGGATGTGACTGGGTTCTGCT 1530
QY 1525 GACCTGTGTGGCAACTGCTATTTCTGTTCAAAAATGTTTTTATTTTCTGTCACAAA 1584
DB 1531 GGCCTGTGTGGCAACTGTGATATTCATCATCAAAAATGTTGTTTGTGTCG---GAA 1587
QY 1585 ATTTAATAAACTAGAAAGATAGAAAAGAGGGAATAGATCTTTTC 1628
DB 1588 GTTTGTTAGAACAGGAAAGAGGGGAAAGAGATTAAATTACGTC 1631
```

RESULT 8

US-09-356-806-39
Sequence 39, Application US/09356806
Patent No. 6586175

GENERAL INFORMATION:
APPLICANT: Penny, Laura

APPLICANT: Galvin, Margaret

APPLICANT: Miller, Andrew

APPLICANT: Reidy, Michael

TITLE OF INVENTION: Genotyping Human

TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and

TITLE OF INVENTION: 2B15 (UGT2B15) Genes

FILE REFERENCE: SEQ-22PRV2

CURRENT FILING DATE: 1999-07-20

NUMBER OF SEQ ID NOS: 164

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 39

LENGTH: 1854

TYPE: DNA

ORGANISM: H. sapiens

FEATURE:

NAME/KEY: CDS

LOCATION: (15)....(1584)

US-09-356-806-39

Query Match 27.2%; Score 750; DB 4; Length 1854;
Best Local Similarity 67.6%; Pred. No. 1e-176;
Matches 1085; Conservative 0; Mismatches 510; Indels 9; Gaps 2;

Qy	34	CA	T	C	A	T	G	A	G	G	T	C	T	G	A	C	A	A	G	T	C	A	G	T	T	G	G	T	A	T	T	T	C	T	G	C	T	C	T	G	C	A	G	C	T	---	C	T	T	C	T	G	T	G	T	90		
Db	8	C	A	C	C	A	G	A	G	T	C	T	G	T	G	A	A	T	G	G	A	T	C	T	C	A	G	T	T	T	G	C	T	A	A	T	T	T	T	G	C	T	A	A	T	T	T	T	T	T	T	T	T	T	T	T	T	67
Qy	91	T	G	G	C	T	G	T	G	G	A	A	G	T	C	T	G	T	G	C	C	T	G	T	C	A	C	A	T	G	A	C	A	T	G	A	G	C	C	A	T	T	G	C	C	T	T	A	A	150								
Db	68	T	A	G	C	T	G	G	A	A	T	T	G	T	G	G	A	A	G	T	G	T	G	G	C	A	G	A	A	T	A	C	A	G	C	C	A	T	T	G	A	T	T	G	A	T	T	G	A	T	127							
Qy	151	T	G	T	C	A	A	G	G	T	C	A	T	T	C	T	A	G	A	G	A	G	C	T	C	A	T	A	G	T	G	A	G	G	C	C	A	T	G	A	G	G	C	A	T	A	G	A	T	210								
Db	128	T	A	T	A	A	G	A	C	A	A	T	C	T	G	A	T	G	A	G	C	T	T	A	T	T	C	A	G	A	G	G	T	C	A	T	G	A	G	G	T	C	A	T	G	A	T	187										
Qy	211	C	T	C	A	A	G	C	T	T	G	T	A	T	T	G	A	C	T	A	C	A	G	A	G	C	T	T	C	T	G	C	A	T	T	G	A	A	T	T	T	G	A	A	T	T	T	G	A	T	270							
Db	188	T	T	C	A	G	C	T	T	C	C	A	T	T	C	T	T	T	G	A	T	C	C	C	A	A	C	A	A	C	A	C	A	T	C	C	G	C	T	T	A	A	A	T	T	T	A	T	T	T	T	247						
Qy	271	T	A	T	G	C	C	A	G	G	A	C	A	G	A	A	A	T	G	A	A	T	A	T	T	T	G	T	G	A	C	T	A	G	C	T	C	T	G	A	---	---	A	324														
Db	248	C	A	C	A	T	C	T	T	T	A	A	C	T	A	A	A	C	T	G	A	T	T	T	C	A	T	C	A	T	G	C	A	A	C	A	G	A	T	A	A	G	A	T	G	C	T	307										
Qy	325	T	G	T	C	T	G	C	A	G	G	T	A	T	C	A	A	C	T	G	C	C	A	T	C	A	G	T	T	A	T	A	A	A	T	A	A	A	T	A	A	T	T	T	T	T	T	T	T	T	T	384						
Db	308	A	G	A	C	T	T	C	C	A	A	A	G	A	T	A	C	A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	367									
Qy	385	A	A	T	A	A	G	A	A	C	T	T	A	A	A	T	G	A	T	G	T	G	A	G	C	T	T	A	T	C	A	A	T	C	A	A	T	C	A	G	A	C	C	T	T	A	T	G	A	444								
Db	368	A	T	T	G	T	G	A	C	A	A	C	T	A	G	A	A	G	T	T	C	T	G	A	A	A	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	T	427								
Qy	445	G	A	A	G	C	T	A	C	A	G	A	A	C	C	A	A	C	T	A	G	A	T	A	T	G	C	T	A	T	A	G	A	C	C	T	G	T	A	T	C	C	T	G	A	504												
Db	428	A	A	A	A	G																																																				

RESULT 9

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US-09-949-016-2596
; Sequence 2596, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: Fast-Seq for Windows Version 4.0
; SEQ ID NO 2596
; LENGTH: 1629
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2596

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Qy	91	TGGCTGTGGATTCTGTGGGAAAGTCCTGGTGTGGCCCTGTGACATGAGCCATTGGCTTAA		150		
Db	64	TAGCTCTGGGAGTTGTGAAAGGTGCTGGT---TGGCCACAGAAATACAGCCTTTGGATGA		123		

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QY 211 CTCAAAGCCTTCGTTAAATTTGACTACAGGAAGCCTCTCGCAITGAAATTTGAGGTGGTCCA 270
Db 184 TTCAGCTTCCATTCCTTTTGTATCCCAACGACCTCATCCACTCTTAAACTCGAAGTTTATCC 243
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Db 244 TACATCTTTAACTAAACCTGAAATTTGAGAATATCGTCATGCAACAGGTTAAGAGATGGTC 303
QY 325 TGTCTTGCACAGGCTTATGCAACCTGGCAATCAGTTATATAAATTTAAATGATTTTTTGTGTA 384
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QY 385 AATAAGAGGAACCTTTAAAAATGATGTGTAGAGCTTTATCTACAATCAGACGCTTATGAA 444
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QY 445 GAAGCTACAGGAACCAACTAGCATGTAATGCTTATAGACCTGTGATTTCCCTGTGGAGA 504
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QY 565 CAATATGGAGCAAGCTGTGGGAACTTCCAGCTCCACTTTCTATGTACCTGTGCTAT 624
Db 544 CACAGTTGAAGGCAAGTGGAGGACTGATTTTCCCTCTCTCTCATACCTATTTGTTAT 603
QY 625 GACAGGACTAACACAGACAGTAACCTTTCTGGAAGAGTAAAAATTCGAATGCTTTTCACT 684
Db 604 GTCAAAATTAAGTGATCAAAATGACTTTCTATGAGAGGGTAAAAATATGATCTATGTGAT 663
QY 685 TTTGTTCCACTCTGTGATTCAGGATTTACGACTATCATTTTTTGGGAAGAGTTTATAGTAA 744
Db 664 TTATTTTGACTTTTGGTTCCAAATATGTGATATGAAGAAGTGGGATTCAGTTTACAGTGA 723
QY 745 GGCATTAGGAAGGCCACACTACATTTATGTGAGACTGTGGGAAAGCTGAGATATGGCTAAT 804
Db 724 AGTTTTAGAAGNCCCACTACCTTATTTGAGACAATGGGAAAGCTGACATATGGCTTAT 783
QY 805 ACGAACATATGGGATTTTGAATTTCTCAACCATACCAACCTTAACTTTGAGTTTGTGG 864
Db 784 GCGAAACTCTCGAAATTTTCAGTTTCTCATCCATTTTACCACAAACGTTGATTTTGTGG 843
QY 865 AGGATTTGCACTGTAAACCTGCCAAAGCTTTGCTTAAGGAATGGAAAAATTTGTCCAGAG 924
Db 844 AGGATTTCACTGCAAAACCTGCCAAACCTTACCTAAGGAATGGAGGATTTGTACAGAG 903
QY 925 TTCAGGGGAGATGTGATTTGTGTTTCTCTGGGGTCACTGTGTTTCAAAATGTTTACAGA 984
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QY 1105 CCAGAATGATCTTTTGGTTCATCCCAAAACCAAAAGCTTTTATCACTCATGTTGGGAATGAA 1164
Db 1084 CCAGAATGACCTTCTAGTTCATCCAAAACCAAGAGCTTTTATTAACATCATGTTGGAGCAAG 1143
QY 1165 TGGGATCTATGAAGCTATTTTACCATGGGGTCCCTATGGTGGGAGTTCCCATATTTTGGTGA 1224
Db 1144 TGGCATCTATGAGGCAATCTACCATGGGATCCCTATGGTGGGCAATTCATTTGTTTGGGA 1203
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QY 1345 TAAAGAGAATGCTATGAGATTTAAGAATTTCAAGATTTCAACCTGTAAGAGCCCTTAGA 1404
Db 1324 TAAAGAGAATATTATGAATTTATCAAGAAATTTCAACATGATCAACAGTAAGAGCCCTGGA 1383
QY 1405 TCGACAGCTCTTCTGATCGAGTTTGTCAATCGCCACAAAGGAGCAACAGCCTCGCATC 1464
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QY 1465 AGCTCCCATGACCTTCACCTGGTTCCAGACCTACTCTATAGATGTGATTTGGGTTCTCTGT 1524
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QY 1525 GACCTGTGTGGCAACTGCTATATCTTGTTCACAAAATGTTTTTATTTTCTGTCACAAA 1584
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US-09-949-016-2595
; Sequence 2595, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2595
; LENGTH: 1708
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2595
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Query Match 27.2%; Score 749.8; DB 4; Length 1708;

Best Local Similarity 67.6%; Pred. No. 1.1e-176; Indels 9; Gaps 2;

Matches 1086; Conservative 0; Mismatches 512;

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Db 63 TAGCTCTGGGAGTTTGGAAAGGTGCTGGTTTGGGCCACAGAATACAGCCTTTGGATGAA 122

QY 151 TGTCAGGTCATTTCTAGAGAGCTCATATGAGAGGCGCATAGAGTAA CAGTATTGACTCA 210

Db 123 TATGAAGACAATTCCTGAAGAGCTTTGTTTCAGAGAGGTATGAGGTGACTGTACTGGCATC 182

QY 211 CTCAAAGCCTTCGTTTAAATTTGACTACAGGAAGCCTTTCTGCAATTGAAATTTGAGGTGGTCCA 270

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Db	470	TGGCTGAGCTATTTAAACATACCTTTTGTGTACAGTCTCAGCTTCTCTCGGCTACACTT	529
Qy	570	TGGAGCGAAGCTGTGGGAAACTTCCAGTCCAATTTCCTATGTACTGTGCTGTGCTATGACAG	629
Db	530	TTGAAAAGCATAGTGTGGAGGATTTATTTTCCCTCTCTACGTACCTGTGTTATGTGTCAG	589
Qy	630	GACTAAACAGACAGATCAGACCTTTCTGGAAAGAGTAAAAAATTCATGCTTTCAGTTTTGT	689
Db	590	AATTAACTGATCAATGACITTTCAAGAGAGGGTAAAAAATATGATCTATGTGCTTTACT	649
Qy	690	TCCACTTCTGGATTCAGGATTTACGACTATCATTTTTTGGGAAGATTTTATAGTAAGGCAT	749
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Qy	750	TAGGAAGGCCCACTACATATTATGTGAGACTGTGGGAAAGCTGAGATATGCTTAATACGAA	809
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Qy	810	CATATTGGGATTTGAATTTCTCTCAACATACCAACTTAATTTGAGTTTGTGTTGGAGAT	869
Db	770	ACTCCTGGAAATTTTCAGTTTCCATATCCACTTTTACCANAATGTTTGTGTTGAGGAC	829
Qy	870	TGCACTGTAAACCTGCCAAAGCTTTGCTTAAGGAAATGGGAAATTTTGTCCAGAGTTTCAG	929
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Qy	930	GGGAAGATGGPATTTGTGGTGTCTCTGGGGTCACTGTTTCAAAAATGTTTACAGAAGAA	989
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Qy	1230	TTGATATACATAGCTCACATGAAGGCCAAAGGAGCAGCTGTAGATAATAAATTTCAAAACTA	1289
Db	1190	CTGATAACATTTGCTCACATGAAGGCCAGGGAGCAGCTGTTTAGAGTGGATTTCAACACAA	1249
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Qy	1350	AGAATGCTATGAGATTTATCAAGAAATTCACATGATCAACTGTATAAGCCCTTAGATCGAG	1409
Db	1310	AGAATGTTTATGAAATTTATCAAGAAATTCAAATGATCAACCAAGTGAAGCCCTCGATCGAG	1369

Qy	1410	CAGTCTTCTGATCGAGTTTGTCTATGCGCCACAAAGGAGCAAGCACTTGCATCAGCTG	1469
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Qy	1470	CCCATGACCTCACCTGGTTCCAGACACTACTCTATAGATGTGATTCGGTTCTCTGCTGACCT	1529
Db	1430	CCCAGACCTCACCTGGTTCCAGTACCCTCTTTGGATGTGATTCGGTTCTCTGCTGCTCT	1489
Qy	1530	GTGTGGCAACTGCTATATCTTGTTCACAAAATGTTTTTATTTTCCTGTCAAAAATTTTA	1589
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RESULT 12

US-09-949-016-2735

Sequence 2735, Application US/09949016

Patent No. 6812339

GENERAL INFORMATION:

APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

FILE REFERENCE: CLO01307

CURRENT APPLICATION NUMBER: US/09/949,016

CURRENT FILING DATE: 2000-04-14

PRIOR APPLICATION NUMBER: 60/241,755

PRIOR FILING DATE: 2000-10-20

PRIOR APPLICATION NUMBER: 60/237,768

PRIOR FILING DATE: 2000-10-03

PRIOR APPLICATION NUMBER: 60/231,498

PRIOR FILING DATE: 2000-09-08

NUMBER OF SEQ ID NOS: 207012

SOFTWARE: FASTSEQ for Windows Version 4.0

SEQ ID NO 2735

LENGTH: 1323

TYPE: DNA

ORGANISM: Human

US-09-949-016-2735

22

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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ALIGNMENTS

RESULT 1
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; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981.353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 33
; LENGTH: 2966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 997080.1
US-09-981-353-33

Query Match	84.5%	Score 2331.4;	DB 9;	Length 2966;
Best Local Similarity	96.2%	Pred. No. 0;		
Matches 2443;	Conservative	0;	Mismatches 86;	Indels 10;
Gaps				5;
Qy	9	GCAGATCAGTGTGTGAGGGAAC	TGCCATCATGAGGCTCGACAAGTCAGCTTTGGTATTC	68
Db	1	GCAGATCAGTGTGTGAGGGAAC	TGCCATCATGAGGCTCGACAAGTCAGCTTTGGTATTC	60
Qy	69	TGCTCTCGAGCTCTTCTGTGTTGGCTGTGAGTCTGTGGAAAGTCTCGTGTGGCCCT		128
Db	61	TGCTCTCGAGCTCTTCTGTGTTGGCTGTGAGTCTGTGGAAAGTCTCGTGTGGCCCT		120

129 GTGACATAGCCATTGGCTTAATGTCAAGGTCAATCTAGAAGAGCTCATAGTGAGAGGCC 188
121 GTGACATAGCCATTGGCTTAATGTCAAGGTCAATCTAGAAGAGCTCATAGTGAGAGGCC 180
189 ATGAGGTAA CAGTAATGACTCACTCAAGGCTTCGTTAAATGTA CTACAGGAAGCCTTCTG 248
181 ATGAGGTAA CAGTAATGACTCACTCAAGGCTTCGTTAAATGTA CTACAGGAAGCCTTCTG 240
249 CAATTGAAATTTGAGGTGGTCCATATGCCACAGCAGACAGACAGAGAAATGAAATATTTG 308
241 CAATTGAAATTTGAGGTGGTCCATATGCCACAGCAGACAGAGAAATGAAATATTTG 300
309 TTGACCTAGCTCTGAATGTCTTGCCAGGCTTATCAACCTGGCAATCAGATTATAAAATTA 368
301 TTGACCTAGCTCTGAATGTCTTGCCAGGCTTATCAACCTGGCAATCAGATTATAAAATTA 360
369 ATGATTTTTTTGTGAAATTAAGAGGAACCTTTAAAAATGATGTGTGAGAGCTTTATCTACA 428
361 ATGATTTTTTTGTGAAATTAAGAGGAACCTTTAAAAATGATGTGTGAGAGCTTTATCTACA 420
429 ATCAGAGCTTATGAAGAGCTACAGGAACCAACTACGATGTAATGCTTATAGACCCTG 488
421 ATCAGAGCTTATGAAGAGCTACAGGAACCAACTACGATGTAATGCTTATAGACCCTG 480
489 TGATTCCTGTGAGAGCTGATGGCTGAGTTGCTTCAGTCCCTTTTGTGCTCACACTTA 548
481 TGATTCCTGTGAGAGCTGATGGCTGAGTTGCTTCAGTCCCTTTTGTGCTCACACTTA 540
549 GAATTTCTGTAGAGGCAATATGGAGCGAAGCTGTGGGAACTTCAGCTCCACTTTTCT 608
541 GAATTTCTGTAGAGGCAATATGGAGCGAAGCTGTGGGAACTTCAGCTCCACTTTTCT 600
609 ATGTACTGTGCTATGACAGACTAA CAGACAGATGACCTTCTGGAAGAGTAATAA 668
601 ATGTACTGTGCTATGACAGACTAA CAGACAGATGACCTTCTGGAAGAGTAATAA 660
669 ATTCAATGCTTTTCAGTTTGTCCACTCTGGAATTCAGGATACGACTATCAATTTTGGG 728
661 ATTCAATGCTTTTCAGTTTGTCCACTCTGGAATTCAGGATACGACTATCAATTTTGGG 720
729 AAGAGTTTTATAGTAAGGCAATAGGAAGGCCCACTACATATGTGAGAGCTGTGGGAAAG 788
721 AAGAGTTTTATAGTAAGGCAATAGGAAGGCCCACTACATATGTGAGAGCTGTGGGAAAG 780
789 CTGAGATATGGCTAATACGAACATATGGGATTTGGAATTTCCCTAACCATACCAACCTA 848
781 CTGAGATATGGCTAATACGAACATATGGGATTTGGAATTTCCCTAACCATACCAACCTA 840
849 ACTTTGAGTTTGTGGAGGATTGCACCTGTAAACCTGCCAAAGCTTTGCCCTAAGGAAATGG 908
841 ACTTTGAGTTTGTGGAGGATTGCACCTGTAAACCTGCCAAAGCTTTGCCCTAAGGAAATGG 900
909 AAAATTTTGTCCAGAGTTCCAGGGGAAGATGGTATTTGTGGTGTCTCTGGGGTCACTGT 968
901 AAAATTTTGTCCAGAGTTCCAGGGGAAGATGGTATTTGTGGTGTCTCTGGGGTCACTGT 960
969 TTCAAAATGTTACAGAAGAAAGGCTTAATATCATTTGCTTCAGCCCTTGCCAGATCCCAAC 1028
961 TTCAAAATGTTACAGAAGAAAGGCTTAATATCATTTGCTTCAGCCCTTGCCAGATCCCAAC 1020
1029 AGAAGGTGTTATGGAGGTACAAAGGAAAGAAACCATCCATTTAGGAGCCATACCTCGGC 1088
1021 AGAAGGTGTTATGGAGGTACAAAGGAAAGAAACCATCCATTTAGGAGCCATACCTCGGC 1080
1089 TGTATGATTGGATACCCAGAAATGATCTTCTTGGTCAATCCCAAAACCAAGCTTTTATCA 1148
1081 TGTATGATTGGATACCCAGAAATGATCTTCTTGGTCAATCCCAAAACCAAGCTTTTATCA 1140
1149 CTCATCGGTGAATGGAATCTATGAAGCTATTTTACATGGGGTCCCTATGTTGGGAG 1208
1141 CTCATCGGTGAATGGAATCTATGAAGCTATTTTACCATGGGTCCCTATGTTGGGAG 1200
1209 TTCCCATATTTGTTGATCAGCTTGTATAACATAGCTCACATGAAGGCCAAAGGAGCAGCTG 1268

1201 TTCCCATATTTGGTGATCAGCTTGTATAACATAGCTCACATGAAGGCCAAAGGAGCAGCTG 1260
1269 TGAATATAA CTTTCAAACTATGACAAGGAGATTTACTGAGGCTTTTGAAACAGTCA 1328
1261 TGAATATAA CTTTCAAACTATGACAAGGAGATTTACTGAGGCTTTTGAAACAGTCA 1320
1329 TTACCGATTCCTCTTATAAAGAGAAATGCTATCAGATTTATCAAGAATTCACCATGATCAAC 1388
1321 TTACCGATTCCTCTTATAAAGAGAAATGCTATCAGATTTATCAAGAATTCACCATGATCAAC 1380
1389 CTGTAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCAATGCGCCCAAGGAG 1448
1381 CTGTAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCAATGCGCCCAAGGAG 1440
1449 CCAAGCAGCTGGGATCAGCTGCCATGACCTCACCTGGTCCAGCACTACTCTATAGATG 1508
1441 CCAAGCAGCTGGGATCAGCTGCCATGACCTCACCTGGTCCAGCACTACTCTATAGATG 1500
1509 TGATTTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTGTTCACAAAATGTTTTT 1568
1501 TGATTTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTGTTCACAAAATGTTTTT 1560
1569 TATTTTCTCTGTCAAAAATTTTATAAAACTTAGAAAGATAGAAAAGAGGGAATAGATCTTTC 1628
1561 TATTTTCTCTGTCAAAAATTTTATAAAACTTAGAAAGATAGAAAAGAGGGAATAGATCTTTC 1620
1629 CAAATTCAGAAAGACCTGATGGGTAATCTCTGTTAAATTCAGCCACACATAGAAATTTGGT 1688
1621 CAAATTCAGAAAGACCTGATGGGTAATCTCTGTTAAATTCAGCCACACATAGAAATTTGGT 1680
1689 AAAACCTTGTCTATTTTCTATATTTCTTCTGTTATTTATCTTACGTATATAGCTACA 1748
1681 AAAACCTTGTCTATTTTCTATATTTCTTCTGTTATTTATCTTACGTATATAGCTACA 1740
1749 ATTCATGATCATAGAGTTGTGAGTATATCTCATTTCTTCTGTTGATTTTCTCTAGGTGTG 1808
1741 ATTCACAGATCATAGAGTTGTGAGTATATCTCATTTCTTCTGTTGATTTTCTCTAGGTGT 1800
1809 CTTACTCTCTCTCTCATTTGTGACACAGGACATGAATACATCTAAATTTTCTTATTT 1868
1801 TTTACTCTCTCTCTCATTTGTGACACAGGACATGAATACATCTAAATTTTCTTATTT 1860
1869 CTGATATCACTGTTTCCATGACGTCTACTTCTCTAACTTAAAGTATAGGTGACCTG 1928
1861 CTGATATCACTGTTTGTGATGATGATTAATCTCTTAACCTTAAAGTATAGGTGACATG 1920
1929 CAATATGCTGATTCCTGTTGTGACAAACACATGGATGTAAAGAGTAAAGAAATGTAA 1988
1921 CAATATGATTTATCTGTTGTGCGCCCAACACATGGATATAAGAGGTAAAGAACTTAA 1980
1989 AATTCAAAAATTCAGTAAACACACAAATCAATGAAGCAITTCATGACATTTAGCTTGT 2048
1981 AATTCAAAAATTCAGTAAACACACAAATCAGGTAAGTGTTCATGAGATTTAGCTGGCT 2040
2049 ATGAGTAAATATGATTTTCTTTTCAATTTAAATAGCCCTTCTACATACCCAGCAT 2108
2041 ATGAGAAACATATGATTTTCTTTTCAATTTAAATAGCCCTTCTACATAGCCAGCAT 2100
2109 TACTGATCTCAGACATGAATTTGCTAAAAATGACCATAGGCAITTCACATCAGAAATGAT 2168
2101 CAGTATCTCAGAAATTAATTTGCTAATAATGATGACATGGCATTTATGCTTAGAAAAGTT 2160
2169 TGCATATTTCCACATA CCTCATCTAGATGTCAATAGCCCTACATTTCTGCGCATCACTTAAC 2228
2161 TGCATATTTCCACATA CCTCATCTAGATGTCAATAGCCCTACATTTCTGCGCATCACTTAAC 2220
2229 TGACA -TTTTTTTGTGTTCTTGATGATAAATAGACAGTTCTTATTTATTTCTCTCAATA 2287
2221 CAAATACCTTTTCTGTTTCTTTGATGATAAAGAACCTTTTCTCATGATTTGCCATCAATA 2280
2288 AATAAGAAACT -GAAATTTTCTTACATAGAGAAATGTCCATAAGATATTTCAAGTTAA 2346

Db	2281	ACAAAAGAAACTATTTTTTCTCACATAGAGAA	CATGTCNGTAAAGATATTC	CAAGGTGAA	2340
Qy	2347	CAGATTA	TTTTGAGATAAGTAACCATTAGAAATA	TGTGATTTGTAATTTCTGATTTTATAA	2406
Db	2341	CAGATA	TTTTTGGGATTAGTAACCTATTTTGAATA	TATGTGGTGATATTAATCTAGGTTTATAA	2400
Qy	2407	AA	TTTTAAATTCATAGTACACTT-----	GATTTAAATGTCATATCTTTT-AAAATGATGAA	2459
Db	2401	AA-	TTTATTTGATAGTACACTTAAAGAGATTTATATGTTTATTTCTTTTAAAAATGATGAA		2459
Qy	2460	TACTCATAA	TTCTTATCTCTATATAATCAAAAGTATAA	TTTACTGTAGAAAAATAAAGAGAT	2519
Db	2460	TACTCATAA	TTCTTATCTCTATATAATCAAAAGTATAA	TTTACTGTAGAAAAATAAAGAGAT	2519
Qy	2520	GCTTGGTCT	GAAAGTAAAA		2538
Db	2520	GCTTGGTCT	GAAAGTAAAGA		2538

RESULT 2

US-10-052-586-521	Sequence 521, Application US/10052586	PRIOR FILING DATE: 1998-03-27
Publication No. US20020127584A1	Publication No. US20020127584A1	PRIOR FILING DATE: 1998-03-27
GENERAL INFORMATION:	GENERAL INFORMATION:	PRIOR FILING DATE: 1998-03-27
APPLICANT: Baker, Kevin P.	APPLICANT: Baker, Kevin P.	PRIOR FILING DATE: 1998-03-31
APPLICANT: Chen, Jian	APPLICANT: Chen, Jian	PRIOR FILING DATE: 1998-03-31
APPLICANT: Desnoyers, Luc	APPLICANT: Desnoyers, Luc	PRIOR FILING DATE: 1998-03-31
APPLICANT: Goddard, Audrey	APPLICANT: Goddard, Audrey	PRIOR FILING DATE: 1998-04-01
APPLICANT: Godowski, Paul J.	APPLICANT: Godowski, Paul J.	PRIOR FILING DATE: 1998-04-01
APPLICANT: Gurney, Austin L.	APPLICANT: Gurney, Austin L.	PRIOR FILING DATE: 1998-04-01
APPLICANT: Pan, James	APPLICANT: Pan, James	PRIOR FILING DATE: 1998-04-01
APPLICANT: Smith, Victoria	APPLICANT: Smith, Victoria	PRIOR FILING DATE: 1998-04-01
APPLICANT: Watanabe, Colin K.	APPLICANT: Watanabe, Colin K.	PRIOR FILING DATE: 1998-04-08
APPLICANT: Wood, William I.	APPLICANT: Wood, William I.	PRIOR FILING DATE: 1998-04-08
APPLICANT: Zhang, Zemin	APPLICANT: Zhang, Zemin	PRIOR FILING DATE: 1998-04-08
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC	TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC	PRIOR FILING DATE: 1998-04-15
TITLE OF INVENTION: ACIDS ENCODING THE SAME	TITLE OF INVENTION: ACIDS ENCODING THE SAME	PRIOR FILING DATE: 1998-04-15
FILE REFERENCE: P3430R1C1	FILE REFERENCE: P3430R1C1	PRIOR FILING DATE: 1998-04-15
CURRENT APPLICATION NUMBER: US/10/052,586	CURRENT APPLICATION NUMBER: US/10/052,586	PRIOR FILING DATE: 1998-04-22
CURRENT FILING DATE: 2002-01-15	CURRENT FILING DATE: 2002-01-15	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/059263	PRIOR APPLICATION NUMBER: 60/059263	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-09-18	PRIOR FILING DATE: 1997-09-18	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/059266	PRIOR APPLICATION NUMBER: 60/059266	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-09-18	PRIOR FILING DATE: 1997-09-18	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/062250	PRIOR APPLICATION NUMBER: 60/062250	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-10-17	PRIOR FILING DATE: 1997-10-17	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/063120	PRIOR APPLICATION NUMBER: 60/063120	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-10-24	PRIOR FILING DATE: 1997-10-24	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/063121	PRIOR APPLICATION NUMBER: 60/063121	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-10-24	PRIOR FILING DATE: 1997-10-24	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/063486	PRIOR APPLICATION NUMBER: 60/063486	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-10-21	PRIOR FILING DATE: 1997-10-21	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/063540	PRIOR APPLICATION NUMBER: 60/063540	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-10-28	PRIOR FILING DATE: 1997-10-28	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/063541	PRIOR APPLICATION NUMBER: 60/063541	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-10-28	PRIOR FILING DATE: 1997-10-28	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/063544	PRIOR APPLICATION NUMBER: 60/063544	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-10-28	PRIOR FILING DATE: 1997-10-28	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/063564	PRIOR APPLICATION NUMBER: 60/063564	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-10-28	PRIOR FILING DATE: 1997-10-28	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/063734	PRIOR APPLICATION NUMBER: 60/063734	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-10-29	PRIOR FILING DATE: 1997-10-29	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/063870	PRIOR APPLICATION NUMBER: 60/063870	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-10-31	PRIOR FILING DATE: 1997-10-31	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/064103	PRIOR APPLICATION NUMBER: 60/064103	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-10-31	PRIOR FILING DATE: 1997-10-31	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/065311	PRIOR APPLICATION NUMBER: 60/065311	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-11-13	PRIOR FILING DATE: 1997-11-13	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/066120	PRIOR APPLICATION NUMBER: 60/066120	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-11-21	PRIOR FILING DATE: 1997-11-21	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/066466	PRIOR APPLICATION NUMBER: 60/066466	PRIOR FILING DATE: 1998-04-22
PRIOR FILING DATE: 1997-11-24	PRIOR FILING DATE: 1997-11-24	PRIOR FILING DATE: 1998-04-22
PRIOR APPLICATION NUMBER: 60/066772	PRIOR APPLICATION NUMBER: 60/066772	PRIOR FILING DATE: 1998-04-22

Db 961 AAAATGTTACAGAAAGAGCTTAATATCATTTGCTTCAGCCCTTGCAGATCCACAGA 1020
Qy 1032 AGGTGTTATGAGGTACAAAGGAAAAAACAATCCATCAGATAGAGCCAAATACCTCGGCTGT 1091
Db 1021 AGGTGTTATGAGGTACAAAGGAAAAAACAATCCATCAGATAGAGCCAAATACCTCGGCTGT 1080
Qy 1092 ATGATTCGATACCCAGAAATGATCTTCTTGCTCATCCCAAAACCAAGCTTTTATCACTC 1151
Db 1081 ATGATTCGATACCCAGAAATGATCTTCTTGCTCATCCCAAAACCAAGCTTTTATCACTC 1140
Qy 1152 ATGATTCGATACCCAGAAATGATCTTCTTGCTCATCCCAAAACCAAGCTTTTATCACTC 1211
Db 1141 ATGATTCGATACCCAGAAATGATCTTCTTGCTCATCCCAAAACCAAGCTTTTATCACTC 1200
Qy 1212 CCATATTTGTTGATCAGCTTGATTAACATAGCTCACAATGAGGCAAGGAGGAGCTGTAG 1271
Db 1201 CCATATTTGTTGATCAGCTTGATTAACATAGCTCACAATGAGGCAAGGAGGAGCTGTAG 1260
Qy 1272 AAATAAACTTCAAACTATGACAAAGCAAGATTTTACTGAGGCTTTTGAACAAGTCAATTA 1331
Db 1261 AAATAAACTTCAAACTATGACAAAGCAAGATTTTACTGAGGCTTTTGAACAAGTCAATTA 1320
Qy 1332 CCGATTCCTCTTATAAGAGAACTGCTATGAGTATCAAGAAATTCACCATGATCAACCTG 1391
Db 1321 CCGATTCCTCTTATAAGAGAACTGCTATGAGTATCAAGAAATTCACCATGATCAACCTG 1380
Qy 1392 TAAAGCCCTTAGATCGAGCAGCTCTTCTGGATCGAGTTTGTCAATGCGCCACAAAGAGGCCA 1451
Db 1381 TAAAGCCCTTAGATCGAGCAGCTCTTCTGGATCGAGTTTGTCAATGCGCCACAAAGAGGCCA 1440
Qy 1452 AGCACTTCGATCAGCTGCGCATGACCTCACTGAGTTCAGCACTACTCTATAGATGTA 1511
Db 1441 AGCACTTCGATCAGCTGCGCATGACCTCACTGAGTTCAGCACTACTCTATAGATGTA 1500
Qy 1512 TTGGTTCTCTGACCTGCTGCGCACTGCTATTTCTTTGTTTCAAAATGTTTTAT 1571
Db 1501 TTGGTTCTCTGACCTGCTGCGCACTGCTATTTCTTTGTTTCAAAATGTTTTAT 1560
Qy 1572 TTTCCTGCAAAATTTAATAAACTAGAAAGTAGAAAAGAGGGAATAGATCTTTCCAA 1631
Db 1561 TTTCCTGCAAAATTTAATAAACTAGAAAGTAGAAAAGAGGGAATAGATCTTTCCAA 1620
Qy 1632 ATTCAAGAAAGACTGATGGGTAATCCTGTTAATCCAGCCACATAGAAATTTGGTGA 1691
Db 1621 ATTCAAGAAAGACTGATGGGTAATCCTGTTAATCCAGCCACATAGAAATTTGGTGA 1680
Qy 1692 ACCTGCTATTTTCAATATATCTATCTGTTATTTTATCTAGCTATATAGCCTAGAAT 1751
Db 1681 ACCTGCTATTTTCAATATATCTATCTGTTATTTTATCTAGCTATATAGCCTAGAAT 1740
Qy 1752 CCATGATCATGAGTTGTGAGTATCTCATTTCTTCTGTTGCAATTTTCTAGGTGCTT 1811
Db 1741 CCATGATCATGAGTTGTGAGTATCTCATTTCTTCTGTTGCAATTTTCTAGGTGCTT 1800
Qy 1812 ACTCTCTCTCTCACTTTGTGACAAAGGACATGAATACATCAATTTTCTATTTCTG 1871
Db 1801 ACTCTCTCTCTCACTTTGTGACAAAGGACATGAATACATCAATTTTCTATTTCTG 1860
Qy 1872 ATATCACTGTTCCATGACGCTATCTTCTTAACCTTAAGTATAGGTTGACCTGCAA 1931
Db 1861 ATATGACTGTTTGTATGATGCTATCTTCTTATAACCTTAAGTATAGGTTGACGCAA 1920
Qy 1932 TATGCTGATTTCTGTTGTCACAAACACATGATGTAAGAAAGTAAAAATGTAAT 1991
Db 1921 TATGATATTTCTGTTGTCGCCCCAACACATGATGATATAAGAGGTAAAAATTTAAAT 1980
Qy 1992 TCACAAATTCAGTAAACCAACAAATCAATGAAGCAATTTCTATGACATTTGTTATG 2051
Db 1981 TCACAAATTCAGTAAACCAACAAATCAGGTAAGTGTCTTATGAGATTTAGCTGGCTATG 2040
Qy 2052 AGTAAACATATGATTTTCTTTTCAATTTAAATAGCCCTTCTACATACCCAGCATAC 2111
Db 2041 AGAAACATATGATTTTCTTTTCAATTTAAATAGCCCTTCTTACATAGCCAGCATCAG 2100

Qy 2112 TGATCTCAGACAAATGAATTCCTAAAAATGACGATAGGCGCATTTACACTCAGAAATAGTTTCG 2171
Db 2101 TGATCTCAGACAAATGAATTCCTAAAAATGACGATAGGCGCATTTAGGAAAGTTTCG 2160
Qy 2172 TATATTTCCACATACCTCATCTAGATGTCATAGCTACATTTCTGCCATCCTTAACCTGA 2231
Db 2161 TGTATTTCCATAGACCTCATCTAGATGTCATAGGCGCTACATTTCTGCCATCCTCAACCAA 2220
Qy 2232 CA-TTTTTCGTGTTCTTCATGATTAATAGACAGTTCCTTATTTCTCTCAATTAATA 2290
Db 2221 TACTTTTTCTGTTTCTTCATGATTAATAAGACCTTTCTCATGATTCCTCAATTAACA 2280
Qy 2291 AAAGAAACT-GAAATTTTCTTACATAGAGAAATGTCCATAAGATATTTCAAGTTTAAACAG 2349
Db 2281 AAAGAAACTATTTTTTTCTCACATAGAGAAATGTCCAGTAAGATATTTCAAGGTGAACAG 2340
Qy 2350 ATTATTTTGATAGTAAGTAACCATTTAGAAATATGATGATTGTAATTTCTGATTTTATAAAT 2409
Db 2341 ATATTTTGGGATTTAGTAACCTATTTGAAATATGTTGGTGAATTTACTGAGTTTATAAAA- 2399
Qy 2410 TTTAAATTTGATAGTACACTT-----GATTTAAATGTCTATTTCTTT-AAAAATGATGAATAC 2462
Db 2400 TTTATTTGATAGTACACTTTAAAGAAATTTATATGTTTATTTCTTTAAATGATGAATAC 2459
Qy 2463 TCATAATTTCTTATCTCTATAATCAAAAGTATAATTTTACTGTAGAAAAATAAAGAGATGCT 2522
Db 2460 TCATAATTTCTTATCTCTATAATCAAAAGTATAATTTTACTGTAGAAAAATAAAGAGATGCT 2519
Qy 2523 TGTTCTGAAAGTAAAA 2538
Db 2520 TGTTCTGAAAGTAAGA 2535

RESULT 3

US-10-174-590-521
; Sequence 521, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-590-521

Query Match 84.5%; Score 2330; DB 14; Length 2974;
Best Local Similarity 96.3%; Pred. No. 0;
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;
Qy 12 GATCAGTGTGTGAGGGAATGCCATCATGAGGTCTGCAAGTCAGCTTTGCTATTTCTGC 71
Db 1 GATCAGTGTGTGAGGGAATGCCATCATGAGGTCTGCAAGTCAGCTTTGCTATTTCTGC 60
Qy 72 TCTCGAGCTTCTCTGTTGGCTGTGATTTCTGTGGAAAGTCTGTGGTGGCCCTGTG 131

Db	61	TCCTGCAGCTCTTCTGTGTGGCTGTGGATCTGTGGGAAAGCTCTGTGTGGCCCTGTG	120
Qy	132	ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTCTAGAGAGCTCATAGTGAAGGCCATG	191
Db	121	ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTCTAGAGAGCTCATAGTGAAGGCCATG	180
Qy	192	AGGTAAACAGTATTGACTCACTCAAGGCCCTCGTTAATTCAGTACAGGAAGCCCTCTGCAT	251
Db	181	AGGTAAACAGTATTGACTCACTCAAGGCCCTCGTTAATTCAGTACAGGAAGCCCTCTGCAT	240
Qy	252	TGAAATTTGAGGTGGTCCATATGCCACAGGACAGAACAGAGAAATGAATTTGTTG	311
Db	241	TGAAATTTGAGGTGGTCCATATGCCACAGGACAGAACAGAGAAATGAATTTGTTG	300
Qy	312	ACCTAGCTCTGAATGTCCTGCCAGGCTTATCAACCTGGCAATCAGTTATAAATTAATG	371
Db	301	ACCTAGCTCTGAATGTCCTGCCAGGCTTATCAACCTGGCAATCAGTTATAAATTAATG	360
Qy	372	ATTTTTTTCTGTAATAAAGAGGAACTTTTAAATATGATGTGAGAGCTTTATCTACAATC	431
Db	361	ATTTTTTTCTGTAATAAAGAGGAACTTTTAAATATGATGTGAGAGCTTTATCTACAATC	420
Qy	432	AGACGCTTATGAAGAGCTACAGGAAACCAACTACGATGAATGCTTATAGACCCCTGTGA	491
Db	421	AGACGCTTATGAAGAGCTACAGGAAACCAACTACGATGAATGCTTATAGACCCCTGTGA	480
Qy	492	TTCCCTGTGGAGACCTGATGGCTGAGTTCCTTGCAGTCCCTTTGTGCTCACACTAGAA	551
Db	481	TTCCCTGTGGAGACCTGATGGCTGAGTTCCTTGCAGTCCCTTTGTGCTCACACTAGAA	540
Qy	552	TTTCTGTAGGAGCAATATGGAGAGAGCTGTGGGAACTTCAGCTCCACTTTCTCTATG	611
Db	541	TTTCTGTAGGAGCAATATGGAGAGAGCTGTGGGAACTTCAGCTCCACTTTCTCTATG	600
Qy	612	TACCTGTGCTATGACAGGACTAACAGACAGAAATGACCTTTCTGGAAAGAGTAAATAAT	671
Db	601	TACCTGTGCTATGACAGGACTAACAGACAGAAATGACCTTTCTGGAAAGAGTAAATAAT	660
Qy	672	CAATGCTTTTCACTTTTGTTCCTCTGATTCAGGATTAAGACTATCAATTTTGGGAG	731
Db	661	CAATGCTTTTCACTTTTGTTCCTCTGATTCAGGATTAAGACTATCAATTTTGGGAG	720
Qy	732	AGTTTTATAGTAAGGCAATAGGAAGGCCACTACATTTATGTGAGAGCTGTGGGAAAGCTG	791
Db	721	AGTTTTATAGTAAGGCAATAGGAAGGCCACTACATTTATGTGAGAGCTGTGGGAAAGCTG	780
Qy	792	AGATATGGCTAATACGAACATATGGGATTTTGAATTTCTCAACCATACCAACCTAACT	851
Db	781	AGATATGGCTAATACGAACATATGGGATTTTGAATTTCTCAACCATACCAACCTAACT	840
Qy	852	TTGAGTTTGTGGAGGATTGCACTGTAAACCTGCCAAAGCTTTGCCCTAAGGAAATGGAAA	911
Db	841	TTGAGTTTGTGGAGGATTGCACTGTAAACCTGCCAAAGCTTTGCCCTAAGGAAATGGAAA	900
Qy	912	ATTTTCTCAGAGTTTCAGGGAAGATGATTTGTGGTGTTCCTCTGGGGTCACTGTTTC	971
Db	901	ATTTTCTCAGAGTTTCAGGGAAGATGATTTGTGGTGTTCCTCTGGGGTCACTGTTTC	960
Qy	972	AAAAATTTACAGAAAGGCTTAATATCAATTTGCTTCAGCCCTTGCCAGATCCCAAGAA	1031
Db	961	AAAAATTTACAGAAAGGCTTAATATCAATTTGCTTCAGCCCTTGCCAGATCCCAAGAA	1020
Qy	1032	AGGTGTTATGGAGGTACAAAGGAAAGAAACCATCCACATTTAGAGGCAATATCTCGGCTGT	1091
Db	1021	AGGTGTTATGGAGGTACAAAGGAAAGAAAGCAATCCACATTTAGAGGCAATATCTCGGCTGT	1080
Qy	1092	ATGATTTGGATACCCCAAGATGATCTTTCTGGTTCATCCCAAAACCAAGCTTTTATCACTC	1151
Db	1081	ATGATTTGGATACCCCAAGATGATCTTTCTGGTTCATCCCAAAACCAAGCTTTTATCACTC	1140
Qy	1152	ATGGTGGAAATGAATGGGATCTATGAAGCTATTTACCATGGGGTCCCTATGGTGGGAGTTC	1211
Db	1141	ATGGTGGAAATGAATGGGATCTATGAAGCTATTTACCATGGGGTCCCTATGGTGGGAGTTC	1200
Qy	1212	CCATATTTGGTGTAGTCAAGTCAATAGCTCAATGAAGGCCAAAGAGAGAGCTGTAG	1271
Db	1201	CCATATTTGGTGTAGTCAAGTCAATAGCTCAATGAAGGCCAAAGAGAGAGCTGTAG	1260
Qy	1272	AAATAAACTTCAAAACTATGACAGGAAGATTTTACTGAGGGCTTTGAGAACAGTCAATTA	1331
Db	1261	AAATAAACTTCAAAACTATGACAGGAAGATTTTACTGAGGGCTTTGAGAACAGTCAATTA	1320
Qy	1332	CGGATTTCTTATTAAGAGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG	1391
Db	1321	CGGATTTCTTATTAAGAGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG	1380
Qy	1392	TAAAGCCCTAGATCGAGCAGTCTTCTGATCGAGTCTTGTATGCGCCACAAAGAGGCCA	1451
Db	1381	TAAAGCCCTAGATCGAGCAGTCTTCTGATCGAGTCTTGTATGCGCCACAAAGAGGCCA	1440
Qy	1452	AGCACCTCGATCAGCTGCCATGACCTCACCTGGTTCAGCACACTACTCTATAGATGGA	1511
Db	1441	AGCACCTCGATCAGCTGCCATGACCTCACCTGGTTCAGCACACTACTCTATAGATGGA	1500
Qy	1512	TTGGGTTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTGTTCACAAATGTTTTTAT	1571
Db	1501	TTGGGTTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTGTTCACAAATGTTTTTAT	1560
Qy	1572	TTTTCTGTCAAAATTTTAAATAAAGCTAGAAAGTAAAGAGGGAATAGATCTTTCCAA	1631
Db	1561	TTTTCTGTCAAAATTTTAAATAAAGCTAGAAAGTAAAGAGGGAATAGATCTTTCCAA	1620
Qy	1632	ATTCAAGAAAGACCTGTATGGGTAATCTCTGTTAAATTCAGCCACATAGAAATTTGGTAAA	1691
Db	1621	ATTCAAGAAAGACCTGTATGGGTAATCTCTGTTAAATTCAGCCACATAGAAATTTGGTAAA	1680
Qy	1692	ACCTGCTATTTTCAATATATCTATTTCTGTTATTTTCTTAGCTATATAGCTTAGAAT	1751
Db	1681	ACCTGCTATTTTCAATATATCTATTTCTGTTATTTTCTTAGCTATATAGCTTAGAAT	1740
Qy	1752	CCATCATCATGAGGTTGTGAGTATATCTCATTTCTGTTGATTTTCTCAGTGTGCTT	1811
Db	1741	CCATCATCATGAGGTTGTGAGTATATCTCATTTCTGTTGATTTTCTCAGTGTGCTT	1800
Qy	1812	ACTCTCTCTCTCCTCTTGTGACAAAGGACATGAATACATCTAAATTTCTCTATTTCTG	1871
Db	1801	ACTCTCTCTCTCCTCTTGTGACAAAGGACATGAATACATCTAAATTTCTCTATTTCTG	1860
Qy	1872	ATATCACTGTTTCCATGAGCTCAATTTCTCTAACTTAACTTAACTTAACTTAACTTAACT	1931
Db	1861	ATATCACTGTTTCCATGAGCTCAATTTCTCTAACTTAACTTAACTTAACTTAACTTAACT	1920
Qy	1932	TATGCTGATTCCTGCTGTTTGTGACAAACACATGGGATGTAAGAAAGTAAAGAAATGTA	1991
Db	1921	TATGATTTATTCCTGCTGTTTGTGACAAACACATGGGATGTAAGAAAGTAAAGAAATGTA	1980
Qy	1992	TCACAAAATTCAGTAAACCCACACAAATCAATGAAGCAATTTCTATGACATTTAGCTTGT	2051
Db	1981	TCACAAAATTCAGTAAACCCACACAAATCAATGAAGCAATTTCTATGAGATTTAGCTTGT	2040
Qy	2052	AGTAAACATAGTATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCAGCAATAC	2111
Db	2041	AGTAAACATAGTATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCAGCAATAC	2100
Qy	2112	TGATCTCAGACAAATGAATTTGTCTAAATTAAGGCAATTTACTCAGAAATAGTTTTC	2171
Db	2101	TGATCTCAGACAAATGAATTTGTCTAAATTAAGGCAATTTACTCAGAAATAGTTTTC	2160
Qy	2172	TATATTTCCACATACCTCATCTAGATGTATAGCCCTTACATTTCTGCCATCACTAACTGA	2231
Db	2161	TGATTTCCATAGACCTCATCTAGATGTATAGCCCTTACATTTCTGCCATCACTAACTGA	2220
Qy	2232	CA-TTTTTGTGTTCTTGTAGTAAATAGACGTTCTTATTTATTTCTCTCAATAATA	2290
Db	2221	TACTTTTTTCTGTTTCTTGTAGTAAATAGACGTTCTTCTCATGATTTGCCATCAATAATA	2280

Qy	2291	AAAGAACT-GAAATTTCTTACATAGAGAAAATGTCCATAAGATATTTCAAGTTAAACAG	2340
Db	2281	AAAGAAACTATTTTTTTCTCACATAGAGAACATGTCTAGTAAGATATTTCAAGGTGAACAG	2340
Qy	2350	ATTATTTTTCAGATAAGTAACCATTTAGAAAATATGTGATTTGTAATTTCTGATTTTATATAAAT	2409
Db	2341	ATATTTTGGGATTTAGTAACATATTTTGAATATGTGGTGATTAATTTACTTGAGTTTATAAAA-	2399
Qy	2410	TTTAATTTGATAGTACACTT-----GATTTAAATGTCTATTCTTTT-AAAATGATGAATAC	2462
Db	2400	TTTATTTGATAGTACACTTAAAGAAGATTTATATAGTTTATTTCTTTTAAATGATGAATAC	2459
Qy	2463	TCATAATTTCTATCTCTATATAATCAAAGTATAAATTTACTGTAGAAAAAATAAAGAGATGCT	2522
Db	2460	TCATAAATTTCTATCTCTATATAATCAAAAGTATAAATTTACTGTAGAAAAAATAAAGAGATGCT	2519
Qy	2523	TGTTCTGAAGTAAAA 2538	
Db	2520	TGTTCTGAAGTAAAA 2535	
RESULT 4			
US-10-176-758-521			
; Sequence 521, Application US/10176758			
; Publication No. US20030008353A1			
; GENERAL INFORMATION:			
; APPLICANT: Baker, Kevin P.			
; APPLICANT: Chen, Jian			
; APPLICANT: Desnoyers, Luc			
; APPLICANT: Goddard, Audrey			
; APPLICANT: Godowski, Paul J.			
; APPLICANT: Gurney, Austin L.			
; APPLICANT: Pan, James			
; APPLICANT: Smith, Victoria			
; APPLICANT: Watanabe, Colin K.			
; APPLICANT: Zhang, William I.			
; APPLICANT: Zhang, Zemin			
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC			
; FILE REFERENCE: P3430R1C104			
; CURRENT APPLICATION NUMBER: US/10/176,758			
; CURRENT FILING DATE: 2002-06-21			
; Prior Application removed - See File Wrapper or Palm			
; NUMBER OF SEQ ID NOS: 612			
; SEQ ID NO 521			
; LENGTH: 2974			
; TYPE: DNA			
; ORGANISM: Homo Sapien			
US-10-176-758-521			
Query Match 84.5%; Score 2330; DB 14; Length 2974;			
Best Local Similarity 96.3%; Pred. No. 0;			
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;			
Qy	12	GATCAGTGTGTGAGGGAACCTGCCATCATGAGGCTCGACAAAGTCAGCTTTGGTATTTCTGCG 71	
Db	1	GATCAGTGTGTGAGGGAACCTGCCATCATGAGGCTCGACAAAGTCAGCTTTGGTATTTCTGCG 60	
Qy	72	TCCTGCAGCTCTTCTGTGTGGCTGTGGATTCCTGTGGGAAGTCCTGGTGTGGCCCTGTG 131	
Db	61	TCCTGCAGCTCTTCTGTGTGGCTGTGGATTCCTGTGGGAAGTCCTGGTGTGGCCCTGTG 120	
Qy	132	ACATGAGCCATTGGCTTTAATGTCTCAAGGTCATCTCTAGAAAGAGCTCATAGTCAGAGGCCCATG 191	
Db	121	ACATGAGCCATTGGCTTTAATGTCTCAAGGTCATCTCTAGAAAGAGCTCATAGTCAGAGGCCCATG 180	
Qy	192	AGGTAAACAGTATTGACTCACTCAAAGCCTTCGTTAAATTTGACTCAGGAAGCCCTTTCTGCAT 251	
Db	181	AGGTAAACAGTATTGACTCACTCAAAGCCTTCGTTAAATTTGACTCAGGAAGCCCTTTCTGCAT 240	
Qy	252	TGAAATTTGAGGTGGTCCATATGCCACAGGACAGAACAGAAAGAAATGAAATATTTGTTG 311	
Db	241	TGAAATTTGAGGTGGTCCATATGCCACAGGACAGAACAGAAAGAAATGAAATATTTGTTG 300	

Qy 492 TTCCCTGTGGAGACCTGATGGCTGAGTTGCTTGAGTCCCTTTTGTGCTCACACTTAGAA 551
Db 481 TTCCCTGTGGAGACCTGATGGCTGAGTTGCTTGAGTCCCTTTTGTGCTCACACTTAGAA 540
Qy 552 TTTCTGTAGGAGCAATATGAGCGAAGCTGTGGAACTCCAGCTCCACTTTTCTATG 611
Db 541 TTTCTGTAGGAGCAATATGAGCGAAGCTGTGGAACTCCAGCTCCACTTTTCTATG 600
Qy 612 TACCTGTGCTATGACAGGACTAACACAGCAATGACCTTTCTGGAAGAGTAAAAAAT 671
Db 601 TACCTGTGCTATGACAGGACTAACACAGCAATGACCTTTCTGGAAGAGTAAAAAAT 660
Qy 672 CAATGCTTTTCACTTTTGTCCACTTTCAGATTTAGCAATACGACTATCATTTTTGGGAAG 731
Db 661 CAATGCTTTTCACTTTTGTCCACTTTCAGATTTAGCAATACGACTATCATTTTTGGGAAG 720
Qy 732 AGTTTATAGTAAAGCAATATGAGGAGCCCACTACATTTATGTGAGACTGTGGGAAAGCTG 791
Db 721 AGTTTATAGTAAAGCAATATGAGGAGCCCACTACATTTATGTGAGACTGTGGGAAAGCTG 780
Qy 792 AGATATGGCTAAATACGAACATATTTGGGATTTTGAATTTTCTCAACCATACCAACTTAAT 851
Db 781 AGATATGGCTAAATACGAACATATTTGGGATTTTGAATTTTCTCAACCATACCAACTTAAT 840
Qy 852 TTGAGTTTGTGGAGGATTCACCTGTAACCTGCCAAAGCTTTGCCCTAAGGAAATGGA 911
Db 841 TTGAGTTTGTGGAGGATTCACCTGTAACCTGCCAAAGCTTTGCCCTAAGGAAATGGA 900
Qy 912 ATTTTGTCCAGATTCAGGGAAGATGGTATTTGGTGTGTTTCTCTGGGTCACTGTTTC 971
Db 901 ATTTTGTCCAGATTCAGGGAAGATGGTATTTGGTGTGTTTCTCTGGGTCACTGTTTC 960
Qy 972 AAAATGTTACAGAAAGAAAGCTAATATCATTTGCTTCAGCCCTTGCCCAAGCTTTTATCACA 1031
Db 961 AAAATGTTACAGAAAGAAAGCTAATATCATTTGCTTCAGCCCTTGCCCAAGCTTTTATCACA 1020
Qy 1032 AGGTGTTTATGGAGTACAAAGGAAAGAAAGCTTACCAATTTAGGAGCAATCTCGGCTGT 1091
Db 1021 AGGTGTTTATGGAGTACAAAGGAAAGAAAGCTTACCAATTTAGGAGCAATCTCGGCTGT 1080
Qy 1092 ATGATTTGATACCCAGAAATGATCTTCTGCTCATCCCAAGCTTTTATCACTC 1151
Db 1081 ATGATTTGATACCCAGAAATGATCTTCTGCTCATCCCAAGCTTTTATCACTC 1140
Qy 1152 ATGTTGAATTAATGGAGCTATGAAGCTATTTTACCATGGGCTCCCTATGTTGGAGTTC 1211
Db 1141 ATGTTGAATTAATGGAGCTATGAAGCTATTTTACCATGGGCTCCCTATGTTGGAGTTC 1200
Qy 1212 CCATATTTGGTATCAGCTTTGATAACATAGCTACATGAAGGCCAAAGGAGCAGCTGTAG 1271
Db 1201 CCATATTTGGTATCAGCTTTGATAACATAGCTACATGAAGGCCAAAGGAGCAGCTGTAG 1260
Qy 1272 AAATAAATTTCAAACTATGACAGCAAGATTTTACTTGAGGCTTTTGAAGACAGTCAATTA 1331
Db 1261 AAATAAATTTCAAACTATGACAGCAAGATTTTACTTGAGGCTTTTGAAGACAGTCAATTA 1320
Qy 1332 CCGATTCCTTTATAAGAGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG 1391
Db 1321 CCGATTCCTTTATAAGAGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG 1380
Qy 1392 TAAAGCCCTTAGATCGAGCAGCTTTCTGGATTCGAGTTTGTATGCGGCCACAAAGGAGCCA 1451
Db 1381 TAAAGCCCTTAGATCGAGCAGCTTTCTGGATTCGAGTTTGTATGCGGCCACAAAGGAGCCA 1440
Qy 1452 AGCACTTGCAGATCAGCTGCCCCATGACCTCACCTGGTTCCAGCACTACTCTATAGATGTA 1511
Db 1441 AGCACTTGCAGATCAGCTGCCCCATGACCTCACCTGGTTCCAGCACTACTCTATAGATGTA 1500
Qy 1512 TTGGGTTTCTGCTGACCTGTGGCACTGCTATTTCTGTTTACCAAAATGTTTTTAT 1571
Db 1501 TTGGGTTTCTGCTGACCTGTGGCACTGCTATTTCTGTTTACCAAAATGTTTTTAT 1560
Qy 1572 TTTCTGTCAAAAATTTAATAAACTAGAAAGATAGAAAGAGGGAATAGATCTTTTCCAA 1631

Db 1561 TTTCTGTCAAAAATTTAATAAACTAGAAAGATAGAAAGAGGGAATAGATCTTTTCCAA 1620
Qy 1632 ATTCAAGAAAGACCTGATGGGTAACTCTGTTAATTCAGCCACATAGAAATTTTGGTGAAA 1691
Db 1621 ATTCAAGAAAGACCTGATGGGTAACTCTGTTAATTCAGCCACATAGAAATTTTGGTGAAA 1680
Qy 1692 ACCTTGTCTATTTTCAATATATCTATTTCTGTTATTTTATCTTAGCTATATAGCTTAGAAT 1751
Db 1681 ACCTTGTCTATTTTCAATATATCTATTTCTGTTATTTTATCTTAGCTATATAGCTTAGAAT 1740
Qy 1752 CCATGATCATGAGGTTGTGAGTATATCTCAATTTCTTGTGTCATTTTCTTAGGTGCTTT 1811
Db 1741 CCATGATCATGAGGTTGTGAGTATATCTCAATTTCTTGTGTCATTTTCTTAGGTGCTTT 1800
Qy 1812 ACTCTCTTCTCTCACCTTTGTGACACAGGACATGAATFACATCTAAATTTTCTTATTTCTG 1871
Db 1801 ACTCTCTTCTCTCACCTTTGTGACACAGGACATGAATFACATCTAAATTTTCTTATTTCTG 1860
Qy 1872 ATATCACTGTTTCCATGACGCTATTTACTTCTTAACCTTAAGTGATAGGCTGACCTGCAA 1931
Db 1861 ATATCACTGTTTCCATGACGCTATTTACTTCTTAACCTTAAGTGATAGGCTGACATGCAA 1920
Qy 1932 TATGCTGATTTCTGCTGTTTGTGCAAAACACATGATGATGAAGTAAAGAAATGTAAT 1991
Db 1921 TATGATTTATTTCTGCTGTTGCGCCCAACACATGATGATGAAGGTTAAAAAATTTAAAT 1980
Qy 1992 TCACAAAATTCAGTAAACACACAAAATCAATGAAGCAATCTATGACATTTAGCTTGTGATG 2051
Db 1981 TCACAAAATTCAGTAAACACACAAAATCAATGAAGCAATCTATGACATTTAGCTTGTGATG 2040
Qy 2052 AGTAAACATATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCAGCATATAC 2111
Db 2041 AGTAAACATATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCAGCATATAC 2100
Qy 2112 TGATCTCAGCAATGATTTCTTAAAAATGACATAGGAGCAATACATCTCAGAAATGTTTGC 2171
Db 2101 TGATCTCAGCAATGATTTCTTAAAAATGACATAGGAGCAATACATCTCAGAAATGTTTGC 2160
Qy 2172 TATATTTCCATACATCTCATCTAGATGCTAGCTACATTTCTGCCCACATCTTAACTGA 2231
Db 2161 TGATTTTCCATAGACCTCATCTAGATGCTAGCTACATTTCTGCCCACATCTTAACTGA 2220
Qy 2232 CA-TTTTCTGCTGTTCTTGATGATAAATAGACAGTTTCTTATTTATTTCTCTCAATATA 2290
Db 2221 TACTTTTCTGTTTCTTGATGATAAAGACCTTCTCATGATTCCTCAATATAA 2280
Qy 2291 AAAGAAACT-GAAATTTCTTATAGAGAAATGTCCTCAATAGATTTCAAGTTAAACAG 2349
Db 2281 AAAGAAACTATTTTCTTATAGAGAAATGTCCTCAATAGATTTCAAGTTAAACAG 2340
Qy 2350 ATTATTTTGAGATAAGTAAACCATTTAGAAATATGTTGATTTCTGATTTTATAAAT 2409
Db 2341 ATATTTTGGGATAGTAACTATTTGAAATATGTTGATGATTTTACTGATTTATAAAT 2399
Qy 2410 TTTAAATGATGATACCTT-----GATTTAAATGCTATTTCTTT-AAAAATGATGATAC 2462
Db 2400 TTTATTTGATGATACCTTAAAGAGATTTATATGTTTATCTTTAAATATGATGATAC 2459
Qy 2463 TCATAATCTTATCTCTATTAATCAAAAGATATAATTTTACTGTAGAAAAATTAAGAGATGCT 2522
Db 2460 TCATAATCTTATCTCTATAATCAAAAGATATAATTTTACTGTAGAAAAATTAAGAGATGCT 2519
Qy 2523 TGTCTCAAAAGTAAAA 2538
Db 2520 TGTCTCAAAAGTAAAA 2535

RESULT 6
US-10-174-581-521
; Sequence 521, Application US/10174581
; Publication No. US20030017540A1
; GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C41
CURRENT APPLICATION NUMBER: US/10/174,581
CURRENT FILING DATE: 2002-06-18
PRIOR APPLICATION NUMBER: 10/052586
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
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PRIOR APPLICATION NUMBER: 60/063120
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PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: 60/087098
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087208
PRIOR FILING DATE: 1998-05-28
PRIOR APPLICATION NUMBER: 60/087609
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087759
PRIOR FILING DATE: 1998-06-02
PRIOR APPLICATION NUMBER: 60/087827
PRIOR FILING DATE: 1998-06-03
PRIOR APPLICATION NUMBER: 60/088025
PRIOR FILING DATE: 1998-06-04

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Db 1321 CCGATTTCTCTTAAAGAGAAATGCTATGAGATTATCAAGAATTCCACATGATCAACCTG 1380
Qy 1392 TAAAGCCCTAGATCGAGCAGTCTTCTGATCGAGTTTGTCTATGCGCCACAAGAGAGCCA 1451
Db 1381 TAAAGCCCTAGATCGAGCAGTCTTCTGATCGAGTTTGTCTATGCGCCACAAGAGAGCCA 1440
Qy 1452 AGCACCTGCGATCAGCTGCGCATGACCTCACCTGGTCCAGCAGCTACTCTATAGATGGA 1511
Db 1441 AGCACCTGCGATCAGCTGCGCATGACCTCACCTGGTCCAGCAGCTACTCTATAGATGGA 1500
Qy 1512 TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTTTCACAAAATGTTTTTAT 1571
Db 1501 TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTTTCACAAAATGTTTTTAT 1560
Qy 1572 TTTCTGTCAAAAATTTAATAAATAGAAAAGAGGGAATAGATCTTTCCAA 1631
Db 1561 TTTCTGTCAAAAATTTAATAAATAGAAAAGAGGGAATAGATCTTTCCAA 1620
Qy 1632 ATTCAAGAAGACCTGATGGGTAACTCTGTTAAATTTCCAGCCACATAGAAATTTGGTGA 1691
Db 1621 ATTCAAGAAGACCTGATGGGTAACTCTGTTAAATTTCCAGCCACATAGAAATTTGGTGA 1680
Qy 1692 ACCTTGCTATTTTCATATATCTATTTCTGTTATTTATCTTAGCTATATAGCTAGAAAT 1751
Db 1681 ACCTTGCTATTTTCATATATCTATTTCTGTTATTTATCTTAGCTATATAGCTAGAAAT 1740
Qy 1752 CCATGATCATGAGTTGTGAGTATATCTCATTTCTTTCGTTGCTATTTCTAGGTGCTT 1811
Db 1741 CCATGATCATGAGTTGTGAGTATATCTCATTTCTTTCGTTGCTATTTCTAGGTGCTT 1800
Qy 1812 ACTCTCTCTCCTCCTGCTGACACAGGATGATATCTCATTTCTTTCGTTGCTATTTCTG 1871
Db 1801 ACTCTCTCTCCTCCTGCTGACACAGGATGATATCTCATTTCTTTCGTTGCTATTTCTG 1860
Qy 1872 ATATCACTGTTTCCATGAGCTCATTTCTCTTAACCTTAAAGTATGAGGTGACCTGCAA 1931
Db 1861 ATATGACTGTTTGTATGATGTCATTACTTCTATAACCTTAAAGTATGAGGTGACATGCA 1920
Qy 1932 TATGCTGATCTCTGTTGTTGACAAACACATGATGATGATGATGATGATGATGATGATGAT 1991
Db 1921 TATGATATTTCTGTTGTTGCGGCCAAACACATGATGATGATGATGATGATGATGATGAT 1980
Qy 1992 TCACAAAATTCAGTAAACACACAAATCAATGAAGCATTTCTATGACATTTAGCTTGTATG 2051
Db 1981 TCACAAAATTCAGTAAACACACAAATCAGTAAAGTGTCTATGAGATGATGCTGGCTATG 2040
Qy 2052 AGTAACATATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCAGCATTAC 2111
Db 2041 AGAAACATATGATGTTTCTTTTCAATTTAAATTAAGCCCTTCTACATAGCCAGCATCAG 2100
Qy 2112 TGATCTCAGACATGATTTGCTTAAATGACGATGAGGCAATTAACATGAGATAGTTTGC 2171
Db 2101 TGATCTCAGAAATAAATTTGCTAATAATGATGACATGCGATTTATGCTTAGAAAAGTTTGC 2160
Qy 2172 TATATTTCCACATACCTCATAGATGTCATAGCTACATTTCTGCGCATCACTTAACATGA 2231
Db 2161 TGTATTTCCATAGACCTCATAGATGTCATGCGCTACATTTCTGCGCATCACTTAACATGA 2220
Qy 2232 CA-TTTTTTGTGTTCTTTGATGATAAATAGACAGTTCTTATTTATTTGCTCCTCAAAATAFA 2290
Db 2221 TACTTTTTTCTGTTTCTTTGATGATAAATAAGACCTTTCTCATGATTTGCCATCAATAACA 2280
Qy 2291 AAAGAACT- GAAATTTTCTTACATAGAAAATGTCCTAAGATATTTCAAGTTAAACAG 2349
Db 2281 AAAGAACTATTTTTTCTTACATAGAAAATGTCCTAAGATATTTCAAGTTAAACAG 2340
Qy 2350 ATTATTTTCAGATAGTAACCATTAAGAAATATGATGTTGATTTCTGATTTTATAAAT 2409
Db 2341 ATATTTTGGGATAGTAACATTTTGAATAATGTTGGTGAATATCTAGTTTATAAAT- 2399
Qy 2410 TTTAAATGATGATACCTT- ----GATTTAAATGCTATTCTTT- AAATGATGATAC 2462
Db 2400 TTTATTTGATGATACCTTAAAGAAAGATTTTATATGTTTATTTCTTTAAATAATGATGATAC 2459

Qy 2463 TCATAATTTCTATCTCTATAATCAAAAGCTATAATTTACTGTAGAAAATAAAGAGATGCT 2522
Db 2460 TCATAATTTCTATCTCTATAATCAAAAGCTATAATTTACTGTAGAAAATAAAGAGATGCT 2519
Qy 2523 TGTCTCGAAAGTAAAA 2538
Db 2520 TGTCTCGAAAGTAAA 2535

RESULT 7

US-10-176-483-521
; Sequence 521, Application US/10176483
; Publication No. US20030017541A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C68
; CURRENT APPLICATION NUMBER: US/10/176,483
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-483-521

Query Match 84.5%; Score 2330; DB 14; Length 2974;

Best Local Similarity 96.3%; Pred. No. 0;

Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;

Qy 12 GATCAGTGTGTGAGGAACTGCCATCATGAGTCTGCAAGTCAGCTTTGGTATTCTGCG 71
Db 1 GATCAGTGTGTGAGGAACTGCCATCATGAGTCTGCAAGTCAGCTTTGGTATTCTGCG 60
Qy 72 TCCTGCAGCTCTTCTGTGTGGCTGTGATTTCTGTGGAAAGTCTCTGGTGTGCGCTGTG 131
Db 61 TCCTGCAGCTCTTCTGTGTGGCTGTGATTTCTGTGGAAAGTCTCTGGTGTGCGCTGTG 120
Qy 132 ACATGAGCCATTTGGCTTAATGTCAAGGTCATTCTAGAGAGCTCATAGTGAGGCGCATG 191
Db 121 ACATGAGCCATTTGGCTTAATGTCAAGGTCATTCTAGAGAGCTCATAGTGAGGCGCATG 180
Qy 192 AGGTAACAGTATTGACTCACTCAAGCCCTCGTTAAATGACTACAGGAGCCCTTCTGCAAT 251
Db 181 AGGTAACAGTATTGACTCACTCAAGCCCTCGTTAAATGACTACAGGAGCCCTTCTGCAAT 240
Qy 252 TGAATTTTGTGAGTGTGCTCATATGCCACAGGACAGAACAGAAAATGAAATATTGTTG 311
Db 241 TGAATTTTGTGAGTGTGCTCATATGCCACAGGACAGAACAGAAAATGAAATATTGTTG 300
Qy 312 ACCTAGCTCTGAATGCTTTGCGAGGCTTATCAACCTGGCAATCAGTTATGAAATTTAAATG 371
Db 301 ACCTAGCTCTGAATGCTTTGCGAGGCTTATCAACCTGGCAATCAGTTATGAAATTTAAATG 360
Qy 372 ATTTTGTGTAATAGAGAACTTTTAAATGATGCTGTGAGAGCTTTATCTACAATC 431
Db 361 ATTTTGTGTAATAGAGAACTTTTAAATGATGCTGTGAGAGCTTTATCTACAATC 420
Qy 432 AGACCCCTTATGAAGAAGCTTACAGGAAACCAACTGAGTATGCTTATGACCCCTGTGA 491

Db 421 AGACGCTTATGAAGAGCTACAGGAACCAACTACGATGTAATGCTTATAGACCCCTGTGA 480
Qy 492 TTCCCTGGGAGACCTGATGGCTGAGTTGGCTTGGAGTCCCTTTTGTGCTCACACTTAGAA 551
Db 481 TTCCCTGGGAGACCTGATGGCTGAGTTGGCTTGGAGTCCCTTTTGTGCTCACACTTAGAA 540
Qy 552 TTCTCTGAGGAGCAATATGAGGCGAAGCTGTGGGAAACTCTCCAGCTCCACTTTCCCTATG 611
Db 541 TTCTCTGAGGAGCAATATGAGGCGAAGCTGTGGGAAACTCTCCAGCTCCACTTTCCCTATG 600
Qy 612 TACCTGTGCTTATGACAGGCTATACAGACAGATGACCTTTCTGGAAGAGTAAGAAAT 671
Db 601 TACCTGTGCTTATGACAGGCTATACAGACAGATGACCTTTCTGGAAGAGTAAGAAAT 660
Qy 672 CAATGCTTTTCACTTTTCTGCACTTCTGGAATTCAGGATTACGACTATCAATTTTGGGAAG 731
Db 661 CAATGCTTTTCACTTTTCTGCACTTCTGGAATTCAGGATTACGACTATCAATTTTGGGAAG 720
Qy 732 AGTTTATATGAGGCAATAGGAAGGCCCACTACATATATGAGACTGTGGGAAAGCTG 791
Db 721 AGTTTATATGAGGCAATAGGAAGGCCCACTACATATATGAGACTGTGGGAAAGCTG 780
Qy 792 AGATATGCTTATACGACATATTTGGGATTTTGAATTTCTCAACCATACCACTTAAT 851
Db 781 AGATATGCTTATACGACATATTTGGGATTTTGAATTTCTCAACCATACCACTTAAT 840
Qy 852 TTGAGTTTGTGGAGGATTCACCTGTAACCTGCCAAGCTTTGCTTAAGGAATGAAA 911
Db 841 TTGAGTTTGTGGAGGATTCACCTGTAACCTGCCAAGCTTTGCTTAAGGAATGAAA 900
Qy 912 ATTTTGTCCAGATTCAGGGAAGATGATATTTGGTGTGTTTCTCTGGGTCACCTGTTTC 971
Db 901 ATTTTGTCCAGATTCAGGGAAGATGATATTTGGTGTGTTTCTCTGGGTCACCTGTTTC 960
Qy 972 AAAATGTTACAGAGAAAAGCTAATATCATCTGCTTACGCCCTTGGCCAGATCCACAGA 1031
Db 961 AAAATGTTACAGAGAAAAGCTAATATCATCTGCTTACGCCCTTGGCCAGATCCACAGA 1020
Qy 1032 AGGTGTTATGAGGATCAAGAGAAAAGCAATCCATCCATAGGAGCAATATCTCGGCTGT 1091
Db 1021 AGGTGTTATGAGGATCAAGAGAAAAGCAATCCATCCATAGGAGCAATATCTCGGCTGT 1080
Qy 1092 ATGATTTGATACCCAGAAATGATCTTCTGGTCAATCCCAAAACCAAGCTTTTATCACTC 1151
Db 1081 ATGATTTGATACCCAGAAATGATCTTCTGGTCAATCCCAAAACCAAGCTTTTATCACTC 1140
Qy 1152 ATGTTGAATGAATGGGATCTATGAGCTATTTACCATGGGTCCTTATGGTGGAGTTC 1211
Db 1141 ATGTTGAATGAATGGGATCTATGAGCTATTTACCATGGGTCCTTATGGTGGAGTTC 1200
Qy 1212 CCATATTTGGTGTATGATCAATCAATAGCTACATGAGGCCCAAGGAGCAGCTGTAG 1271
Db 1201 CCATATTTGGTGTATGATCAATCAATAGCTACATGAGGCCCAAGGAGCAGCTGTAG 1260
Qy 1272 AAATPAAACTTCAAACTATGCAAGCGAAGATTTTACTGAGGCTTTGAGAACAGTCAATTA 1331
Db 1261 AAATPAAACTTCAAACTATGCAAGCGAAGATTTTACTGAGGCTTTGAGAACAGTCAATTA 1320
Qy 1332 CCGATTCCTTTATPAAAGAGATGCTATGAGATATCAAGAAATTCACATGATCAACCTG 1391
Db 1321 CCGATTCCTTTATPAAAGAGATGCTATGAGATATCAAGAAATTCACATGATCAACCTG 1380
Qy 1392 TAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTATCGCGCCACAAAGGAGCCA 1451
Db 1381 TAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTATCGCGCCACAAAGGAGCCA 1440
Qy 1452 AGCACCTCGCATCAGCTGCCCATGACCTCACTGGTTCCAGCACTACTCTATAGATGTA 1511
Db 1441 AGCACCTCGCATCAGCTGCCCATGACCTCACTGGTTCCAGCACTACTCTATAGATGTA 1500
Qy 1512 TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTGTTTCAAAAATGTTTTTAT 1571
Db 1501 TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTGTTTCAAAAATGTTTTTAT 1560

Qy 1572 TTTCTGTCAAAAATTTAATAAACTAGAAAAGTAGAAAAGGGAATAGATCTTTCCAA 1631
Db 1561 TTTCTGTCAAAAATTTAATAAACTAGAAAAGTAGAAAAGGGAATAGATCTTTCCAA 1620
Qy 1632 ATTCAAGAAAGACCTGATGGGTAATCTGTGTAATTCAGCCACATAGAAATTTGGTGAAA 1691
Db 1621 ATTCAAGAAAGACCTGATGGGTAATCTGTGTAATTCAGCCACATAGAAATTTGGTGAAA 1680
Qy 1692 ACCTTGTCTATTTTCATATATCTATCTGTTATTTTATCTTAGCTATATAGCCTAGAAAT 1751
Db 1681 ACCTTGTCTATTTTCATATATCTATCTGTTATTTATCTTAGCTATATAGCCTAGAAAT 1740
Qy 1752 CCATGATCATGAGGTTGTGAGTATATCTCAATTTCTTGGTTCATTTTCTTAGGTTGTGCTT 1811
Db 1741 CCATGATCATGAGGTTGTGAGTATATCTCAATTTCTTGGTGTATTTTCTTAGGTTGTGCTT 1800
Qy 1812 ACTCTTCTCTCACTTTGTGACACAAGGACATGAATACATCTGTAATTTTCTTATTTCTG 1871
Db 1801 ACTCTTCTCTCACTTTGTGACACAAGGACATGAATACATCTGTAATTTTCTTATTTCTG 1860
Qy 1872 ATATCACTGTTTCCATGACGTCATTTCTCTAACTTAAGTATGATAGGTTGACCTGCAA 1931
Db 1861 ATATGACTGTTTTCATGATGTCATTTCTCTAACTTAAGTATGATAGGTTGACATGCAA 1920
Qy 1932 TATGCTGATTTCTGCTGTTTGGCAAAAACACATGATGTAAGAAAGTAAATAATGTAAAT 1991
Db 1921 TATGATTTTCTGCTGTTGCGCCCAACACATGATATTAAGAGGTAAATAATTTAAAT 1980
Qy 1992 TCACAAATTCAGTAAACCAACACAAATCAATGAAGCAATCTATGACATTTAGCTTTGTTATG 2051
Db 1981 TCACAAATTCAGTAAACCAACACAAATCAGTAAAGTGTCTATGAGATTTAGCTGGCTATG 2040
Qy 2052 AGTAAACATATGATTTTCTTTTCAATTTTAAATAAGCCCTTCTACATACCACGATTTAC 2111
Db 2041 AGAAACATATGATGTTTCTTTTCAATTTTAAATAAGCCCTTCTACATAGCCGATCAG 2100
Qy 2112 TGATCTCAGACAATGAAATGCTTAAATAAGCAATGAGGCAATTTACACTCAGAAATAGTTTGC 2171
Db 2101 TGATCTCAGAAATTAATTTGCTTAATATGATGATGATGATGCTTTAGAAAGTTTGC 2160
Qy 2172 TATATTTCCACATACCTCATCTAGATGTCATAGCTTACATTTTGGCCATCACTTAACCTGA 2231
Db 2161 TGTATTTCCATAGACCTCATCTAGATGTCATGGCTACATTTCTGCCATCACTCAACCAA 2220
Qy 2232 CA-TTTTCTGTTGTTCTTGTATGATTAATAGACAGTTCTTATTTATTTCTCTCAATATA 2290
Db 2221 TACTTTTCTGTTTCTTGTATGATAAAAGACCTTTCTCATGATTTGCCATCAATTAACA 2280
Qy 2291 AAAGAAACT-GAAATTTCTTACATAGAAAATGTCCTAAAGATATTTCAAGTTTAAACAG 2349
Db 2281 AAAGAAACTATTTTCTTCACTAGAGAAACATGTCAGTAAGATATTTCAAGTTGAAACAG 2340
Qy 2350 ATTATTTTGAGATAAGTAAACCATTTAGAAATATGATTTGTAATTTCTGATTTTATAAAT 2409
Db 2341 ATATTTTGGGATTAGTAACTATTTTGAATAATGTTGGTGAATAATTTACTGAGTTTATAAAA 2399
Qy 2410 TTTAATTTGATGATACCTT-----GATTTAATTTCTATTTCTTT-AAAATGATGAATAC 2462
Db 2400 TTTATTTGATGATACCTTAAAGAAAGATTTTATATGTTTATTTCTTTAAATAATGATGAATAC 2459
Qy 2463 TCATAATTTCTTCTCTATATTAATCAAAAAGTAAATTTTACTGTAGAAAAATAAAGAGATGCT 2522
Db 2460 TCATAATTTCTTCTCTATTAATCAAAAAGTAAATTTTACTGTAGAAAAATAAAGAGATGCT 2519
Qy 2523 TGTCTGAAAAGTAAAA 2538
Db 2520 TGTCTGAAAAGTAAGA 2535

RESULT 8
US-10-176-749-521
; Sequence 521, Application US/10176749

Publication No. US20030017542A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C76
CURRENT APPLICATION NUMBER: US/10/176,749
CURRENT FILING DATE: 2002-06-20
Prior application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 521
LENGTH: 2974
TYPE: DNA
ORGANISM: Homo Sapien
US-10-176-749-521

Query Match 84.5%; Score 2330; DB 14; Length 2974;
Best Local Similarity 96.3%; Pred. No. 0;
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;

QY	12	GATCAGTGTGTCAGGGAATGCCATCATGAGTCTGACAAAGTCAGCTTTGGTATTTCGCG	71
DB	1	GATCAGTGTGTCAGGGAATGCCATCATGAGTCTGACAAAGTCAGCTTTGGTATTTCGCG	60
QY	72	TCTGTCAGCTCTTCTGTGTGGCTGTGGATTCTGTGGGAAAGTCCTGTGGTGGCCCTGTG	131
DB	61	TCTGTCAGCTCTTCTGTGTGGCTGTGGATTCTGTGGGAAAGTCCTGTGGTGGCCCTGTG	120
QY	132	ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTAGAAAGCTCATAGTGAGAGGCCATG	191
DB	121	ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTAGAAAGCTCATAGTGAGAGGCCATG	180
QY	192	AGGTAAACAGTATTGACTCACTCAAGCCCTTGGTAAATGACTACAGGAAGCCCTTGTGAT	251
DB	181	AGGTAAACAGTATTGACTCACTCAAGCCCTTGGTAAATGACTACAGGAAGCCCTTGTGAT	240
QY	252	TGAAATTTTCAGGTGGTCCATATGCCACAGGACAGAAACAGAAATGAAATATTGTTG	311
DB	241	TGAAATTTTCAGGTGGTCCATATGCCACAGGACAGAAACAGAAATGAAATATTGTTG	300
QY	312	ACCTAGCTCTGAATGTCTTCCAGGCTTATCAACCTGGCAATCAGTTATAAATTAATG	371
DB	301	ACCTAGCTCTGAATGTCTTCCAGGCTTATCAACCTGGCAATCAGTTATAAATTAATG	360
QY	372	ATTTTCTGTGAAATAAGAGGAACCTTTAAATAATGATGTGAGAGCTTTATCTACAATC	431
DB	361	ATTTTCTGTGAAATAAGAGGAACCTTTAAATAATGATGTGAGAGCTTTATCTACAATC	420
QY	432	AGACGCTTATGAAGAGCTACAGGAACCAACTACGATTAATGCTTTATAGACCCTGTGA	491
DB	421	AGACGCTTATGAAGAGCTACAGGAACCAACTACGATTAATGCTTTATAGACCCTGTGA	480
QY	492	TTCCCTGTGGAGACCTGATGGCTGAGTGGTGGAGAACTTCCAGCTCCACTTTTCTCATG	551
DB	481	TTCCCTGTGGAGACCTGATGGCTGAGTGGTGGAGAACTTCCAGCTCCACTTTTCTCATG	540
QY	552	TTTCTGTAGAGGCAATATGGAGCGAAGCTGTGGGAACTTCCAGCTCCACTTTTCTCATG	611
DB	541	TTTCTGTAGAGGCAATATGGAGCGAAGCTGTGGGAACTTCCAGCTCCACTTTTCTCATG	600
QY	612	TACCTGTGCTATGACAGGACTAACAGACAGAAATGACCTTTCTGGAAAGAGTAAATAAT	671
DB	601	TACCTGTGCTATGACAGGACTAACAGACAGAAATGACCTTTCTGGAAAGAGTAAATAAT	660

QY	672	CAATGCTTTTTCAGTTTTGTTCACCTTCTCGAATTCAGGATTACGACTATCATTTTTCGGAAG	731
DB	661	CAATGCTTTTTCAGTTTTGTTCACCTTCTCGAATTCAGGATTACGACTATCATTTTTCGGAAG	720
QY	732	AGTTTTATAGTAAGSCATTAGGAAGCCCACTACATATTATGTAGACTGTGGGAAAGCTG	791
DB	721	AGTTTTATAGTAAGSCATTAGGAAGCCCACTACATATTATGTAGACTGTGGGAAAGCTG	780
QY	792	AGATATGCTTAATACGAACATATTGGGATTTTGAATTTTCTCAACATACCAACCTAACT	851
DB	781	AGATATGCTTAATACGAACATATTGGGATTTTGAATTTTCTCAACATACCAACCTAACT	840
QY	852	TTGAGTTTGTGGAGATTGCACTCTAAACCTGCCAAAGCTTTTGCTTAAGGAAATGGAAA	911
DB	841	TTGAGTTTGTGGAGATTGCACTCTAAACCTGCCAAAGCTTTTGCTTAAGGAAATGGAAA	900
QY	912	ATTTTGTCCAGAGTTTCAGGGAAGATGTATTGTGGTGTTTTCTCTGGGGTCACTGTTC	971
DB	901	ATTTTGTCCAGAGTTTCAGGGAAGATGTATTGTGGTGTTTTCTCTGGGGTCACTGTTC	960
QY	972	AAATTTTACAGAAAGAGCTAATATCATTTGCTTTCAGCCCTTCCAGATCCACACAGA	1031
DB	961	AAATTTTACAGAAAGAGCTAATATCATTTGCTTTCAGCCCTTCCAGATCCACACAGA	1020
QY	1032	AGGTGTTTATGGAGGTACAAAGGAAAAAACCATCCACATTTAGGAGCCCAATCTCGGCTGT	1091
DB	1021	AGGTGTTTATGGAGGTACAAAGGAAAAAACCATCCACATTTAGGAGCCCAATCTCGGCTGT	1080
QY	1092	ATGATTGGATACCCAGAAATGATCTTTTGTGTCATCCAAAAACCAAGCTTTTATCACTC	1151
DB	1081	ATGATTGGATACCCAGAAATGATCTTTTGTGTCATCCAAAAACCAAGCTTTTATCACTC	1140
QY	1152	ATGGTGGATGAATGGGATCTATGAAGCTATTACCATGGGGTCCCTATGGTGGGAGTTC	1211
DB	1141	ATGGTGGATGAATGGGATCTATGAAGCTATTACCATGGGGTCCCTATGGTGGGAGTTC	1200
QY	1212	CCATATTTTGTGATCAGCTTGATTAACATAGCTCATGTAAGCCCAAGAGGAGAGCTGTAG	1271
DB	1201	CCATATTTTGTGATCAGCTTGATTAACATAGCTCATGTAAGCCCAAGAGGAGAGCTGTAG	1260
QY	1272	AAATAAACCTTCAAACTATGACAGCGAAGATTTTACTGAGGGCTTTTGAGAACAGTCATTA	1331
DB	1261	AAATAAACCTTCAAACTATGACAGCGAAGATTTTACTGAGGGCTTTTGAGAACAGTCATTA	1320
QY	1332	CGATTTCTCTTATTAAGAGATGCTATGAGATTTATCAAGATTCACCATGATCAACCTG	1391
DB	1321	CGATTTCTCTTATTAAGAGATGCTATGAGATTTATCAAGATTCACCATGATCAACCTG	1380
QY	1392	TAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTATGGCCCAAGAGAGCCA	1451
DB	1381	TAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTATGGCCCAAGAGAGCCA	1440
QY	1452	AGCAGCTGCGATCAGCTGCCATGACCTCACTGGTTCAGCAGCTACTCTATAGATGTA	1511
DB	1441	AGCAGCTGCGATCAGCTGCCATGACCTCACTGGTTCAGCAGCTACTCTATAGATGTA	1500
QY	1512	TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTCTTGTTCACAAATGTTTTTAT	1571
DB	1501	TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTCTTGTTCACAAATGTTTTTAT	1560
QY	1572	TTTTCTGTCAAAAAATTTTAAATAAACTAGAAAAGAGGGAATAGATCTTTTCCAA	1631
DB	1561	TTTTCTGTCAAAAAATTTTAAATAAACTAGAAAAGAGGGAATAGATCTTTTCCAA	1620
QY	1632	ATTCAGAAAGACCTGATGGGGTAAATCCCTGTTTAAATTCAGCCACATAGAAATTTGFGTGA	1691
DB	1621	ATTCAGAAAGACCTGATGGGGTAAATCCCTGTTTAAATTCAGCCACATAGAAATTTGFGTGA	1680
QY	1692	ACCTTGCTATTTTCAATATCTATCTGTTATTTTATCTTAGCTATATAGCTAGAAAT	1751
DB	1681	ACCTTGCTATTTTCAATATCTATCTGTTATTTTATCTTAGCTATATAGCTAGAAAT	1740


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Qy 1752 CCATGATCATGAGGTGTGAGTATATCTCAATCTTTCTGTTGCATTTTCTAGGTGCTT 1811
Db 1741 CCATGATCATGAGGTGTGAGTATATCTCAATCTTTCTGTTGATTTTCTAGGTGCTT 1800
Qy 1812 ACTCTTCTCTCACTTGTGACACAAGGACATCAATACATCTAAATTTTCTATTTCTG 1871
Db 1801 ACTCTTCTCTCACTTGTGACACAAGGACATCAATACATCTAAATTTTCTATTTCTG 1860
Qy 1872 ATATCACTGTTTCATGACGTCAATTTCTTCTAACCTTAAAGTGATGGGTGACCTGCAA 1931
Db 1861 ATATGACTGTTTTCATGATGTCATTTCTTCTAACTTAAAGTGATGGGTGACATGCAA 1920
Qy 1932 TATCTGATCTCTGGTGTGTCACAAACACATGATGTAAGAAAGTAAAAATGTAAT 1991
Db 1921 TATGATTTATCTCTGGTGTGTCACAAACACATGATGTAAGAAAGTAAAAATGTAAT 1980
Qy 1992 TCACAAATTCAGTAACACACACAAATCAATGAAGCAATCTATGACATTAAGTTGTTATG 2051
Db 1981 TCACAAATTCAGTAACACACAAATCAATGAAGCAATCTATGACATTAAGTTGTTATG 2040
Qy 2052 AGTAACATAATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCCAGCATTC 2111
Db 2041 AGAAACATAATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCCAGCATTC 2100
Qy 2112 TGATCTCAGACATGAATTTGCTAAATTAAGTACATGAGGAGGATTAACCTCAGAAATGTTGC 2171
Db 2101 TGATCTCAGAAATTAATTTGCTAAATTAAGTACATGAGGAGGATTAATGCTTAGAAAAAGTTGC 2160
Qy 2172 TATATTTCCATACATCACTATGATGCTATAGCTATAGCTATCAATTTCTGCCATCACTAACTGA 2231
Db 2161 TGATTTTCCATACATCACTATGATGCTATAGCTATAGCTATCAATTTCTGCCATCACTAACTGA 2220
Qy 2232 CA-TTTTCTGTTGTTCTTGATGATAAATAGACAGTTCTTTATTTCTCTCAAAATAA 2290
Db 2221 TACTTTTCTGTTTCTTGATGATAAAGACCTTCTCATGATGCCATCAATTAACA 2280
Qy 2291 AAGAAACT-GAAATTTCTTACATAGAGAAATGTCCATAAGATATTCAGTTAAACAG 2349
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Qy 2350 ATTATTTTGATAGTAAGTAACCATPAGAAATATGATGTTGTAATTTCTGATTTTATAAAT 2409
Db 2341 ATATTTTGGATTTAGTAATTTTGAATATGTTGTTGTAATTTCTGATTTTATAAATA 2399
Qy 2410 TTTAATTTGATGATACCTT-----GATTTAAATGTTCTTTT-AAAAATGATGAATAC 2462
Db 2400 TTTATTTGATGATACCTTAAAGAGATTTATATGTTTATTTCTTTAAATGATGATAC 2459
Qy 2463 TCATAATCTTATCTCTATTAATCAAAAGTATAATTTACTGTAGAAAAATAAAGAGATGCT 2522
Db 2460 TCATAATCTTATCTCTATAATCAAAAGTATAATTTACTGTAGAAAAATAAAGAGATGCT 2519
Qy 2523 TGTCTCAAAAGTAAAA 2538
Db 2520 TGTCTCAAAAGTAAAA 2535
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RESULT 9

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US-10-176-914-521
; Sequence 521, Application US/10176914
; Publication No. US20030017543A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Deenoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
```

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; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C83
; CURRENT APPLICATION NUMBER: US/10/176,914
; PRIORITY DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-176-914-521
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Query Match 84.5%; Score 2330; DB 14; Length 2974;
Best Local Similarity 96.3%; Pred. No. 0;
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;
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Db 1 GATCAGTGTGTGAGGGAACCTGCATCATGAGGTCTGACAAAGTCAGCTTGGTATTTCTGC 60
Qy 72 TCCTCGAGCTCTTCTGTGTTGGCTGTGGATTCTGTGGAAAGTCTGTGTGGCCCTGTG 131
Db 61 TCCTCGAGCTCTTCTGTGTTGGCTGTGGATTCTGTGGAAAGTCTGTGTGGCCCTGTG 120
Qy 132 ACATGAGCCATTGGCTTAAATGTCAAGGTCAATCTTAGAAGAGCTCATAGTGAGAGGCCATG 191
Db 121 ACATGAGCCATTGGCTTAAATGTCAAGGTCAATCTTAGAAGAGCTCATAGTGAGAGGCCATG 180
Qy 192 AGGTAAAGTATTTGACTCACTCAAGCCCTTGGTTAATTTGACTACAGGAAGCTTCTGCAT 251
Db 181 AGGTAAAGTATTTGACTCACTCAAGCCCTTGGTTAATTTGACTACAGGAAGCTTCTGCAT 240
Qy 252 TGAATTTGAGGTGCTCCATATGCCACAGGACAGACAGAAAGTAAATTTGTTG 311
Db 241 TGAATTTGAGGTGCTCCATATGCCACAGGACAGACAGAAATTTGTTG 300
Qy 312 ACCTAGCTCTGAATGTCTTGCAGGCTTATCAACCTGGCAATCAGTTTATAAATTTAAATG 371
Db 301 ACCTAGCTCTGAATGTCTTGCAGGCTTATCAACCTGGCAATCAGTTTATAAATTTAAATG 360
Qy 372 ATTTTCTGTGAGACCTGATGGCTGAGTTGCTTGCAGTCCCTTTTGTGCTCACACTTAGAA 431
Db 361 ATTTTCTGTGAGACCTGATGGCTGAGTTGCTTGCAGTCCCTTTTGTGCTCACACTTAGAA 420
Qy 432 AGAGCTTATGAAGAGCTACAGAAACCAACTACAGTAAATGCTTTATAGACCTGTGA 491
Db 421 AGAGCTTATGAAGAGCTACAGAAACCAACTACAGTAAATGCTTTATAGACCTGTGA 480
Qy 492 TTCCCTGTGAGACCTGATGGCTGAGTTGCTTGCAGTCCCTTTTGTGCTCACACTTAGAA 551
Db 481 TTCCCTGTGAGACCTGATGGCTGAGTTGCTTGCAGTCCCTTTTGTGCTCACACTTAGAA 540
Qy 552 TTTCTGTAGAGGCAATATGAGGAGGAGCTGTGGAAACCTTCCAGCTCCACTTTCTCATG 611
Db 541 TTTCTGTAGAGGCAATATGAGGAGGAGCTGTGGAAACCTTCCAGCTCCACTTTCTCATG 600
Qy 612 TACCTGTGCTATGACAGGACTACAGACAGATGACCTTTCTGAAAGAGTAAAAAT 671
Db 601 TACCTGTGCTATGACAGGACTACAGACAGATGACCTTTCTGAAAGAGTAAAAAT 660
Qy 672 CAATGCTTTTCAAGTTTGTTCCTTCTGAGTTTCAAGATTACGACTATCATTTTGGGAAG 731
Db 661 CAATGCTTTTCAAGTTTGTTCCTTCTGAGTTTCAAGATTACGACTATCATTTTGGGAAG 720
Qy 732 AGTTTATAGTAAGGCAATAGGAAGGCCCACTACATTTATGTGAGACTGTGGGAAAGCTG 791
Db 721 AGTTTATAGTAAGGCAATAGGAAGGCCCACTACATTTATGTGAGACTGTGGGAAAGCTG 780
Qy 792 AGATATGGCTTAATACGACATATTTGGATTTTGAATTTCTCAACCTCAACTAACT 851
Db 781 AGATATGGCTTAATACGACATATTTGGATTTTGAATTTCTCAACCTCAACTAACT 840
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DB 841 TTGAGTTTGTGGAGGATTCACCTGTAACCTGCCAAGCTTTGCCCTAAGGAAATGGA 900
QY 912 ATTTTGTCCAGAGTTCCAGGGGAAGATGGTATTTGTGGTGTGTTTCTCTGGGGTCACTGTTTC 971
DB 901 ATTTTGTCCAGAGTTCCAGGGGAAGATGGTATTTGTGGTGTGTTTCTCTGGGGTCACTGTTTC 960
QY 972 AAAATGTTACAGAAAGAGCTTAATATCATTTGCTTTCAGCCCTTGCCCAAGATCCACAGA 1031
DB 961 AAAATGTTACAGAAAGAGCTTAATATCATTTGCTTTCAGCCCTTGCCCAAGATCCACAGA 1020
QY 1032 AGGTGTTATGAGGATCAAGGAAGAAACCAATCCACATTTAGGAGCCATATCTCGGCTGT 1091
DB 1021 AGGTGTTATGAGGATCAAGGAAGAAACCAATCCACATTTAGGAGCCATATCTCGGCTGT 1080
QY 1092 ATGATTGGATACCCAGAAATGATCTTTCTTGGTGCATCCCAAAACCAAGCTTTTATCACCTC 1151
DB 1081 ATGATTGGATACCCAGAAATGATCTTTCTTGGTGCATCCCAAAACCAAGCTTTTATCACCTC 1140
QY 1152 ATGGTGGAAATGAATGGGATCTATGAAGCTTATTTACATGGGTGCCCTATGGTGGAGTTTC 1211
DB 1141 ATGGTGGAAATGAATGGGATCTATGAAGCTTATTTACCATGGGTGCCCTATGGTGGAGTTTC 1200
QY 1212 CCATATTTGGTGATCAGCTTGATTAACATAGCTCACATGAAGGCCAAGGAGCAGCTGTAG 1271
DB 1201 CCATATTTGGTGATCAGCTTGATTAACATAGCTCACATGAAGGCCAAGGAGCAGCTGTAG 1260
QY 1272 AAATAAACTTCAAAATATGACAAGCGAAGATTTACTGAGGGCTTTTGAAACAGTCAATTA 1331
DB 1261 AAATAAACTTCAAAATATGACAAGCGAAGATTTACTGAGGGCTTTTGAAACAGTCAATTA 1320
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QY 1392 TAAAGCCCTAGATCGAGCAGCTTCTGATCGAGTTTCTGATCGAGTTTCTGCGCCCAAGGAGCCA 1451
DB 1381 TAAAGCCCTAGATCGAGCAGCTTCTGATCGAGTTTCTGATCGAGTTTCTGCGCCCAAGGAGCCA 1440
QY 1452 AGCACCTGGGATCAGCTGCCATGACCTCACCTGGTTCAGCAGCTACTCTATAGATGTGA 1511
DB 1441 AGCACCTGGATCAGCTGCCATGACCTCACCTGGTTCAGCAGCTACTCTATAGATGTGA 1500
QY 1512 TTGGGTTCTCTGACCTGTGGGAACTGCTATATTTCTGTTTCAAAAATGTTTTTAT 1571
DB 1501 TTGGGTTCTCTGACCTGTGGGAACTGCTATATTTCTGTTTCAAAAATGTTTTTAT 1560
QY 1572 TTTCTGTCAAAAATTTAATAAACTAGAAAGATAGAAAGAGGGAATAGATCTTTCCAA 1631
DB 1561 TTTCTGTCAAAAATTTAATAAACTAGAAAGATAGAAAGAGGGAATAGATCTTTCCAA 1620
QY 1632 ATTCAAGAAAGACCTGATGGGGTAATCTCTGTTAAATCCAGCCACATAGAAATTTGGTGAA 1691
DB 1621 ATTCAAGAAAGACCTGATGGGGTAATCTCTGTTAAATCCAGCCACATAGAAATTTGGTGAA 1680
QY 1692 ACCTTGCTATTTTCATATATCTATCTGTTATTTTATCTAGCTATATAGCTAGAAAT 1751
DB 1681 ACCTTGCTATTTTCATATATCTATCTGTTATTTTATCTAGCTATATAGCTAGAAAT 1740
QY 1752 CCATGATCATGAGTTGTGAGTATATCTCATTTCTTGGTGTGATTTTCTAGGTGCTT 1811
DB 1741 CCATGATCATGAGTTGTGAGTATATCTCATTTCTTGGTGTGATTTTCTAGGTGCTT 1800
QY 1812 ACTCTCTTCTCTACCTTTGTGACACAAAGGACATGAATACATCTAAATTTTCTATTTCTG 1871
DB 1801 ACTCTCTTCTCTACCTTTGTGACACAAAGGACATGAATACATCTAAATTTTCTATTTCTG 1860
QY 1872 ATATCACTGTTTCCATGACGTCAATTAATCTCTTAACCTTAAAGTATAGGTGACCTGCAA 1931
DB 1861 ATATCACTGTTTGTGATGATCATTAATTAATCTCTTAACCTTAAAGTATAGGTGACATGCAA 1920
QY 1932 TATGCTGATTCCTGGTGTGTCACAAACACATGATGTAAGAGATGAAAAATGTAAAT 1991
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DB 1921 TATGATTAATCTCTGGTGTGGCCCAACACATGGATATAAGAGGTAAAAAACTTAAAT 1980
QY 1992 TCACAAAATTCAGTAAACACACAAAATCAATGAAGCATTTCTATGACATTTAGCTTGTATG 2051
DB 1981 TCACAAAATTCAGTAAACACACAAAATCAGGTAAAGTGTCTATGAGATTTAGCTGGCTATG 2040
QY 2052 AGTAACATAATGATTTTCTTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCAGCATTA 2111
DB 2041 AGAAAACATAATGATGTTTCTTTTCTTTTCAATTTAAATTAAGCCCTTCTACATAGCCAGCATAG 2100
QY 2112 TGATCTCGACACATCAATTTGCTTAAAAATCACCATAGGCGCATTTACACTCAGAAATAGTTTGC 2171
DB 2101 TGATCTCGAATAATTAATTTGCTTAATAATGATGACATGGCATTTATGCTTAGAAAAAGTTTGC 2160
QY 2172 TATATTTCCACATACCTCATCTAGATGTATAGCCCTACATTTCTGCCATCACTTAACCTGA 2231
DB 2161 TGTATTTTCCATAGACCTCATCTAGATGTATGGCCCTACATTTCTGCCATCACTCAACCAA 2220
QY 2232 CA-TTTTTTGTGTCTTGTGATGATAAATAGACAGTTCTTATATTTATTTGCTCTCAATAATA 2290
DB 2221 TACTTTTTTCTGTTTTCTTGTGATGATAAAGAACCTTTCTCATGATTTGCCATCAATAACA 2280
QY 2291 AAAGAAACT-GAAATTTTCTTACATAGAGAAAATGTCCAATAAGATATTCAAGTTAAACAG 2349
DB 2281 AAAGAAACTATTTTTTTTCTACATAGAGAACATGTCAGTAAGATATTCAAGTGNACAG 2340
QY 2350 ATATTTTGGAGATAAGTAACCATTAAGAAATATGTTGATTTGTAATTTCTGATTTTATAAAAT 2409
DB 2341 ATATTTTGGGATTTAGTAACATATTTTGAATAATGTTGGTGATAATTACTGAGTTTATAAAA- 2399
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DB 2400 TTTAATTTGATAGTACACTTTAAAGAGATTTATGTTTATTTCTTTTAAAAATGATGATAC 2459
QY 2463 TCATAATTTCTATCTCTATAATCAAAAGTATAAATTTACTGTAGAAAAATATAAGAGATGCT 2522
DB 2460 TCATAATTTCTATCTCTATAATCAAAAGTATAAATTTACTGTAGAAAAATATAAGAGATGCT 2519
QY 2523 TGTTCTGAAAGTAAAA 2538
DB 2520 TGTTCTGAAAGTAAAGA 2535
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RESULT 10

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US-10-176-915-521
; Sequence 521, Application US/10176915
; Publication No. US20030017544A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C110
; CURRENT APPLICATION NUMBER: US/10/176,915
; PRIOR APPLICATION REMOVED - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-915-521
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Query Match 84.5%; Score 2330; DB 14; Length 2974; Best Local Similarity 96.3%; Pred. No. 0; Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;									
Qy	12	GATCAGTGTGTGAGGAACTGCCATCATGAGGTCTGACAAAGTCAGCTTTTGGTATTTCTGCG	71	Db	1021	AGGTGTTATGGAGGTACAAAGGAAAAAACCATCCACATTAGGAGCCAATACTCGGCTGT	1080		
Db	1	GATCAGTGTGTGAGGAACTGCCATCATGAGGTCTGACAAAGTCAGCTTTTGGTATTTCTGCG	60	Qy	1092	ATGATTTGGATACCCCAAGAAATGATCTTCTTGGTCAATCCCAAAACCAGAGCTTTTATCACTC	1151		
Qy	72	TCCTGCAAGCTTCTGTGTTGGCTGTGGATTTCTGTGGGAAAGTCTCTGGTGTGGCCCTGTG	131	Db	1081	ATGATTTGGATACCCCAAGAAATGATCTTCTTGGTCAATCCCAAAACCAGAGCTTTTATCACTC	1140		
Db	61	TCCTGCAAGCTTCTGTGTTGGCTGTGGATTTCTGTGGGAAAGTCTCTGGTGTGGCCCTGTG	120	Qy	1152	ATGGTGGAAATGAATGGGATCTATGAAGCTATTTTACCATGGGGTCCCTATGGTGGGAGTTTC	1211		
Qy	132	ACATGAGCCATTGGCTTTAATGTCAAGGTCAATTTCTAGAGAGCTCATAGTAGAGGCCATG	191	Db	1141	ATGGTGGAAATGAATGGGATCTATGAAGCTATTTTACCATGGGGTCCCTATGGTGGGAGTTTC	1200		
Db	121	ACATGAGCCATTGGCTTTAATGTCAAGGTCAATTTCTAGAGAGCTCATAGTAGAGGCCATG	180	Qy	1212	CCATATTTGGTGTATCAGCTTGATTAACATAGCTCACATGAAGGCCAAAGGAGCAGCTGTAG	1271		
Qy	192	AGGTAAACAGTATTGACTCACTCAAGGCTTTCGTTAAATTTGACTACAGGAAGCCTTCTGCAT	251	Db	1201	CCATATTTGGTGTATCAGCTTGATTAACATAGCTCACATGAAGGCCAAAGGAGCAGCTGTAG	1260		
Db	181	AGGTAAACAGTATTGACTCACTCAAGGCTTTCGTTAAATTTGACTACAGGAAGCCTTCTGCAT	240	Qy	1272	AAATAAACTTTCAAAACTATGCAAGCGAAGATTTTACTGAGGGCTTTTGAGAACAGTCAATTA	1331		
Qy	252	TGAAATTTGAGGTGGTCCATATGCCACAGGACAGAAACAGAAATAATTTTGGTTG	311	Db	1261	AAATAAACTTTCAAAACTATGCAAGCGAAGATTTTACTGAGGGCTTTTGAGAACAGTCAATTA	1320		
Db	241	TGAAATTTGAGGTGGTCCATATGCCACAGGACAGAAACAGAAATAATTTTGGTTG	300	Qy	1332	CCGATTTCTCTTATAAAGAGAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG	1391		
Qy	312	ACCTAGCTCTGAATGTCTTCCGAGCTTATCAACCTGGCAATCAGTTATATAAATTTAAATG	371	Db	1321	CCGATTTCTCTTATAAAGAGAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG	1380		
Db	301	ACCTAGCTCTGAATGTCTTCCGAGCTTATCAACCTGGCAATCAGTTATATAAATTTAAATG	360	Qy	1392	TAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTGCGCCACAAGAGAGCCA	1451		
Qy	372	ATTTTTTTGTTGAAATAAGAGGAACTTTAAATATGATGTGTGAGAGCTTTTATCTACAAATC	431	Db	1381	TAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTGCGCCACAAGAGAGCCA	1440		
Db	361	ATTTTTTTGTTGAAATAAGAGGAACTTTAAATATGATGTGTGAGAGCTTTTATCTACAAATC	420	Qy	1452	AGCACCTGCGATCAGCTGCCATGACCTCACTGCTGTTTCCAGCAGCTACTCTATAGATGTGA	1511		
Qy	432	AGAGCTTTATGAAGAAGCTACAGGAAACCAACTACGATGTAATGCTTTATAGACCCCTGTGA	491	Db	1441	AGCACCTGCGATCAGCTGCCATGACCTCACTGCTGTTTCCAGCAGCTACTCTATAGATGTGA	1500		
Db	421	AGAGCTTTATGAAGAAGCTACAGGAAACCAACTACGATGTAATGCTTTATAGACCCCTGTGA	480	Qy	1512	TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTTGTCACAAAATGTTTTTTAT	1571		
Qy	492	TTCCCTGTGAGAGCCTGATGGCTGAGTTGTCTGAGTCCCTTTTGTGCTCACACTTAGAA	551	Db	1501	TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTTGTCACAAAATGTTTTTTAT	1560		
Db	481	TTCCCTGTGAGAGCCTGATGGCTGAGTTGTCTGAGTCCCTTTTGTGCTCACACTTAGAA	540	Qy	1572	TTTTCTGTCTAAAAATTTTAAATAAAGATAGAAAAAGAGGGAATAGATCTTTTCCAA	1631		
Qy	552	TTTCTGTAGAGGCAATATGAGCGAGCTGTGGGAACTTCCAGCTTCCACTTTCCCTATG	611	Db	1561	TTTTCTGTCTAAAAATTTTAAATAAAGATAGAAAAAGAGGGAATAGATCTTTTCCAA	1620		
Db	541	TTTCTGTAGAGGCAATATGAGCGAAGCTGTGGGAACTTCCAGCTTCCACTTTTCTCTATG	600	Qy	1632	ATTCAAGAAAGACCTGATGGGGTAAATCTCTGTTAAATTTCCAGCCACATAGAAATTTGGTGAAA	1691		
Qy	612	TACCTGTGCTTATGACAGGACTAACACAGACAGATGACCTTTTCTGGAAGAGTAAAAAT	671	Db	1621	ATTCAAGAAAGACCTGATGGGGTAAATCTCTGTTAAATTTCCAGCCACATAGAAATTTGGTGAAA	1680		
Db	601	TACCTGTGCTTATGACAGGACTAACACAGACAGATGACCTTTTCTGGAAGAGTAAAAAT	660	Qy	1692	ACCTTGTCTATTTTCAATATATCTATTTCTGTTATTTTATCTTAGCTATATAGCCTAGAAAT	1751		
Qy	672	CAATGTCTTTCAGTTTGTTCACCTTCTGGAATTCAGGATTACGACTATCATTTTGGGAAG	731	Db	1681	ACCTTGTCTATTTTCAATATATCTATTTCTGTTATTTTATCTTAGCTATATAGCCTAGAAAT	1740		
Db	661	CAATGTCTTTCAGTTTGTTCACCTTCTGGAATTCAGGATTACGACTATCATTTTGGGAAG	720	Qy	1752	CCATGATCATGAGTTGTGAGTATATCTCAATCTTTCTGTTTGCATTTTCTTAGGTTGCTT	1811		
Qy	732	AGTTTATAGTAAGGCATTAAGGAGGCCACTACATTTATGTGAGACTGTGGGAAAAGCTG	791	Db	1741	CCATGATCATGAGTTGTGAGTATATCTCAATCTTTCTGTTTGTATTTTCTTAGGTTGCTT	1800		
Db	721	AGTTTATAGTAAGGCATTAAGGAGGCCACTACATTTATGTGAGACTGTGGGAAAAGCTG	780	Qy	1812	ACTCTCTTCTCCTCCTTGTGACACAGGACATGAATACATCTAATAATTTTCTTATTTCTG	1871		
Qy	792	AGATATGGCTTAATACGAACATATTGGGATTTTGAATTTTCTCAACCATACCAACTAACT	851	Db	1801	ACTCTCTTCTCCTCCTTGTGACACAGGACATGAATACATCTAATAATTTTCTTATTTCTG	1860		
Db	781	AGATATGGCTTAATACGAACATATTGGGATTTTGAATTTTCTCAACCATACCAACTAACT	840	Qy	1872	ATATCACTGTTTCCATGACGCTCAATTTACTTCTCTAAACCTTTAAGTGAAGGGTGACCTGCAA	1931		
Qy	852	TTGAGTTTGTGAGGATTCGACTGTAAACCTGCCAAAGCTTTGCCCTAAGGAAATGGAAA	911	Db	1861	ATATGACTGTTTGTGATGATGTCATTTACTTCTATTAACCTTAAAGTGAAGGGTGACATGCAA	1920		
Db	841	TTGAGTTTGTGAGGATTCGACTGTAAACCTGCCAAAGCTTTGCCCTAAGGAAATGGAAA	900	Qy	1932	TATGCTGATTTCTGGTGTGTCACAAAACATCGATGTGTAAGGAAAGTAAAAATGTAATAAT	1991		
Qy	912	ATTTTGTCCAGATTCAAGGGAAGATGGTATTGTGTGTTTCTCTGGGGTCACTGTTTC	971	Db	1921	TATGATTTATTCCTGGTGTGGGCCCAACACATGGAATATAAAGAGGTAAAAAATTTAAAAAT	1980		
Db	901	ATTTTGTCCAGATTCAAGGGAAGATGGTATTGTGTGTTTCTCTGGGGTCACTGTTTC	960	Qy	1992	TCACAAAATTCAGTAAACACACAAAATCAATGAAGCAATCTATGACATTAGCTTGTATG	2051		
Qy	972	AAAATGTTTACAGAAAGAAAGGCTTAATATCATTTGCTTCAGGCCCTTGCCAGATCCACAGA	1031	Db	1981	TCACAAAATTCAGTAAACACACAAAATTCAGGTAAGTGTTCATGAGATTAGCTGGCTATG	2040		
Db	961	AAAATGTTTACAGAAAGAAAGGCTTAATATCATTTGCTTCAGGCCCTTGCCAGATCCACAGA	1020	Qy	2052	AGTAAACATATGATTTTCTTTTCAAATTTTAAATAAGCCCTTCTACATACCCAGCATTTAC	2111		
Qy	1032	AGGTGTTTATGGAGGTACAAAGGAAAAAACCATCCATTAGGAGCCAATACTCGGCTGT	1091	Db	2041	AGAAACATATGATGTTTCTTTTCAAATTTTAAATAAGCCCTTCTACATAGCCAGCATCAG	2100		
Db	1021	AGGTGTTTATGGAGGTACAAAGGAAAAAACCATCCATTAGGAGCCAATACTCGGCTGT	1091	Qy	2112	TGATCTCAGACAAATGAAATTCGCTAAAAATGACGATAGGGCAATTTACTCTCAGAAATAGTTTGC	2171		

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Db 2101 TGATCTCAGAAAAATAATTGCTAAATAATGATGACATGGCATTATGCTTAGAAAAAGTTTGC 2160
Qy 2172 TATATTTCCACATACCTCACTAGATGTCTATAGCCTACATTTCTGCCATCACTTAACCTGA 2231
Db 2161 TGTATTTCCATAGACCTCATCTAGATGTCTATAGCCTACATTTCTGCCATCACTCAACCAA 2220
Qy 2232 CA-TTTTTTTGTGTCTTGTGATGATAAAATAGACAGTTCTTATTATTGTCTCCTCAAAATAATA 2290
Db 2221 TACTTTTTTCTGTTTCTTGATGATAAAAGACCTTTCTCATGATGGCCATCAATAACA 2280
Qy 2291 AAAGAACT-GAAATTTCTTACATAGAGAAATGTCATAAGATATTCAGATTTAAACAG 2349
Db 2281 AAAGAACTATTTTTTCTCATAGAGAAATGTCAGTAAGATATTCAGAGTGAACAG 2340
Qy 2350 ATATTTTTCAGATAAGTAACTTAGAATATGTAATGTAATTTCTGATTTTATAAAT 2409
Db 2341 ATATTTTTCGGATTAGTAATTTGAAATATGTGGTGATAATTAATGATTTATAAAA- 2399
Qy 2410 TTTAATAGTAGTACACTT-----GATTTAAATGTCATTTCTTT-AAAATGATGAATAC 2462
Db 2400 TTTAATAGTAGTACACTTAAAGAGATTTATGTTTATTTCTTAAAGATGATGATAC 2459
Qy 2463 TCATAATCTTATCTCTATAATCAAAAGTATATATTTCTGTAGAAAAATAAGAGATGCT 2522
Db 2460 TCATAATCTTATCTCTATAATCAAAAGTATATATTTCTGTAGAAAAATAAGAGATGCT 2519
Qy 2523 TGTCTGAAAGTAAAA 2538
Db 2520 TGTCTGAAAGTAAGA 2535

RESULT 11
US-10-173-706-521
; Sequence 521, Application US/10173706
; Publication No. US20030022293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-173-706-521

Query Match 84.5%; Score 2330; DB 14; Length 2974;
Best Local Similarity 96.3%; Pred. No. 0;
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;

Qy 12 GATCAGTGTGTGAGGGAATGCCATCATGAGGTCTGACAAGTCAGCTTTGGTATTTCTGCG 71
Db 1 GATCAGTGTGTGAGGGAATGCCATCATGAGGTCTGACAAGTCAGCTTTGGTATTTCTGCG 60
Qy 72 TCCTGAGCTCTTCTGTGTGGCTGTGATCTGTGGGAAAGTCCTGGTGTGGCCCTGTG 131
Db 61 TCCTGAGCTCTTCTGTGTGGCTGTGATCTGTGGGAAAGTCCTGGTGTGGCCCTGTG 120
Qy 132 ACATGAGCCATTGGCTTAAATGTCGAAGTCAATTTAGAAAGAGCTCATAGTGAGAGGCCATG 191
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Db 121 ACATGAGCCATTGGCTTAAATGTCGAAGTCAATTTAGAAAGAGCTCATAGTGAGAGGCCATG 180
Qy 192 AGGTAACAGTATTGACTCACTCAAGGCCCTTGGTTAAATGACTACAGGAAGCCCTTCTGCAT 251
Db 181 AGGTAACAGTATTGACTCACTCAAGGCCCTTGGTTAAATGACTACAGGAAGCCCTTCTGCAT 240
Qy 252 TGAATTTTGGAGTGTGCTCATATGCCACAGGACAGAAACAGAAATAAGAAATATTTTGTG 311
Db 241 TGAATTTTGGAGTGTGCTCATATGCCACAGGACAGAAACAGAAATAAGAAATATTTTGTG 300
Qy 312 ACCTAGCTCTGAATGCTTTGCCAGGCTTATCAACCTGGCAATCAGTTTAAATTAATG 371
Db 301 ACCTAGCTCTGAATGCTTTGCCAGGCTTATCAACCTGGCAATCAGTTTAAATTAATG 360
Qy 372 ATTTTGTGTAATAAGAGAACTTTAAATATGATGTGTGAGAGCTTTATCTCAATC 431
Db 361 ATTTTGTGTAATAAGAGAACTTTAAATATGATGTGTGAGAGCTTTATCTCAATC 420
Qy 432 AGACCTTATGAAGAGCTTACAGGAAACCAACTACGATGTAATGCTTATAGACCCTGTGA 491
Db 421 AGACCTTATGAAGAGCTTACAGGAAACCAACTACGATGTAATGCTTATAGACCCTGTGA 480
Qy 492 TTCCCTGTGGAGACCTGATGGCTGAGTTGCTTGCAGTCCCTTTTGTGCTCACTTTAGAA 551
Db 481 TTCCCTGTGGAGACCTGATGGCTGAGTTGCTTGCAGTCCCTTTTGTGCTCACTTTAGAA 540
Qy 552 TTCTGTAGGAGGCAATATGGAGCGAAGCTGTGGGAAACTCCAGCTCCACTTTCTTATG 611
Db 541 TTCTGTAGGAGGCAATATGGAGCGAAGCTGTGGGAAACTTCCAGCTCCACTTTCTTATG 600
Qy 612 TACCTGTGCTATGACAGGACTTAAACAGACAGAACTCACTTTCTGGAAAGTAAAAAAT 671
Db 601 TACCTGTGCTTATGACAGACTTAAACAGACAGAACTCACTTTCTGGAAAGTAAAAAAT 660
Qy 672 CAATGCTTTCACTTTTGTGTTTCCACTTTCTGGAATCAGGATTAACGACTATCATTTTGGGAAG 731
Db 661 CAATGCTTTCACTTTTGTGTTTCCACTTTCTGGAATTAACGACTATCATTTTGGGAAG 720
Qy 732 AGTTTATATGTAAGGATTAAGAGCCCACTACATTTATGAGAGACTGTGGGAAAGCTG 791
Db 721 AGTTTATATGTAAGGATTAAGAGCCCACTACATTTATGAGAGACTGTGGGAAAGCTG 780
Qy 792 AGATATGGCTAATACGAACATATTCGGATTTTGAATTTCTCAACATACCAACCTAACT 851
Db 781 AGATATGGCTAATACGAACATATTCGGATTTTGAATTTCTCAACATACCAACCTAACT 840
Qy 852 TTGAGTTTGTGGAGGATTCGACTGTAAACCTGCCAAAGCTTTGCTTAAGGAAATGGAAA 911
Db 841 TTGAGTTTGTGGAGGATTCGACTGTAAACCTGCCAAAGCTTTGCTTAAGGAAATGGAAA 900
Qy 912 ATTTTGTCCAGATTCAGGGGAAGATGGTATTTGTGGTGTCTCTGGGGTCACTGTTTC 971
Db 901 ATTTTGTCCAGATTCAGGGGAAGATGGTATTTGTGGTGTCTCTGGGGTCACTGTTTC 960
Qy 972 AAAATGTTACAGAGAAAGGCTTAATATCATTTGCTTTCAGCCCTTGCCAGATCCCAACAGA 1031
Db 961 AAAATGTTACAGAGAAAGGCTTAATATCATTTGCTTTCAGCCCTTGCCAGATCCCAACAGA 1020
Qy 1032 AGGTGTTATGAGGATCAAAAGGAAAAAAACCAATCAATATAGGAGCCAATACTCGGCTGT 1091
Db 1021 AGGTGTTATGAGGATCAAAAGGAAAAAAACCAATCAATATAGGAGCCAATACTCGGCTGT 1080
Qy 1092 ATGATTGGATACCCAGAAATGATCTTCTTGGTCAATCCCAAAACCAAGCTTTATCACTC 1151
Db 1081 ATGATTGGATACCCAGAAATGATCTTCTTGGTCAATCCCAAAACCAAGCTTTATCACTC 1140
Qy 1152 ATGGTGGATGAATGGGATCTATGAAGCTATTTTACCATGGGTCCCTATGTTGGGAGTTC 1211
Db 1141 ATGGTGGATGAATGGGATCTATGAAGCTATTTTACCATGGGTCCCTATGTTGGGAGTTC 1200
Qy 1212 CCATATTTTGGTATCAGCTTTGATAACATAGCTCAATGAAGGCCCAAGAGAGAGCTGTAG 1271
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Db 1201 CCATATTGGTGATCAGCTTGATTAACATAGCTCACTGAAGGCCAAAGGACGACTGTAG 1260
Qy 1272 AAATAAACTTCAAAATATATGACGAGGCTTTACTGAGGGCTTTGAGAACGACTCAATTA 1331
Db 1261 AAATAAACTTCAAAATATATGACGAGGCTTTACTGAGGGCTTTGAGAACGACTCAATTA 1320
Qy 1332 CCGATTCTCTTATAAAGAGAAATCTATGAGATTATCAAGAATTCACCATGATCAACCTG 1391
Db 1321 CCGATTCTCTTATAAAGAGAAATCTATGAGATTATCAAGAATTCACCATGATCAACCTG 1380
Qy 1392 TAAAGCCCTTAGATCGAGGAGCTTTCTGATCGAGTTTGTATGCGCCCAAGAGGCCA 1451
Db 1381 TAAAGCCCTTAGATCGAGGAGCTTTCTGATCGAGTTTGTATGCGCCCAAGAGGCCA 1440
Qy 1452 AGCACTCGCATCAGCTGCGCCATGACCTCAGCTGCTTCCAGCAGCTACTCTATAGATGTA 1511
Db 1441 AGCACTCGCATCAGCTGCGCCATGACCTCAGCTGCTTCCAGCAGCTACTCTATAGATGTA 1500
Qy 1512 TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATCTTTGTTTCAAAAATGTTTTTAT 1571
Db 1501 TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATCTTTGTTTCAAAAATGTTTTTAT 1560
Qy 1572 TTTCTCTGCTAAAATTTAATAAACTAGAAAGATAGAAAGAGGGAATAGATCTTTCCAA 1631
Db 1561 TTTCTCTGCTAAAATTTAATAAACTAGAAAGATAGAAAGAGGGAATAGATCTTTCCAA 1620
Qy 1632 ATTCAAGAAAGACCTGATGGGTAATCTGTAAATCCAGCCACATAGAAATTTGGTCAAA 1691
Db 1621 ATTCAAGAAAGACCTGATGGGTAATCTGTAAATCCAGCCACATAGAAATTTGGTCAAA 1680
Qy 1692 ACCTTGCTATTTTCATATATCTATCTGTTATTTTATCTTATCTATAGCTATAGCTTGAAT 1751
Db 1681 ACCTTGCTATTTTCATATATCTATCTGTTATTTTATCTTATCTATAGCTTGAAT 1740
Qy 1752 CCATGATCATGAGGTTGTGAGTATATCTCATCTCTTCTGTTGCAATTTTCTAGGTGCTT 1811
Db 1741 CCATGATCATGAGGTTGTGAGTATATCTCATCTCTTCTGTTGATTTTCTAGGTGCTT 1800
Qy 1812 ACTCTTCTCTCACTTTGTGACAAAGGACATGAATACATCTAAATTTTCTATTTCTG 1871
Db 1801 ACTCTTCTCTCACTTTGTGACAAAGGACATGAATACATCTAAATTTTCTATTTCTG 1860
Qy 1872 ATATCACTGTTTCCATGACGCTATTACTTCTTAACCTTAAAGTATAGGGTGACCTGCAA 1931
Db 1861 ATATGACTGTTTTCATGATGCTATTACTTCTTAACCTTAAAGTATAGGGTGACATGCAA 1920
Qy 1932 TATGCTGATTCCTGGTGTGACAAACACATGATGATGAAGATGAAGATGAAGATGAAGAT 1991
Db 1921 TATGATTTATTTCTGGTGTGCGCCCAACACATGGATATGAAGAGGTAAAGAACTTAAAT 1980
Qy 1992 TCACAAAATTCAGTAAACCCACACAAATCAATGAAGCATTTCTATGACATTTAGCTTTGTTATG 2051
Db 1981 TCACAAAATTCAGTAAACCCACACAAATCAGTAAGTGTTCATGAGATTAGCTGGCTATG 2040
Qy 2052 AGTAACATAATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCCAGCATTC 2111
Db 2041 AGAAACATAATGATGTTTCTTTTCAATTTAAATTAAGCCCTTCTACATAGCCAGCATCAG 2100
Qy 2112 TGATCTCAGACATGAATTCGTAATAAATGACGATAGGGCATTTACATCAGAAATGTTTG 2171
Db 2101 TGATCTCAGAAATAAATTTGCTATTAATGATGATGACATGGCATTTATGCTTTAGAAAATGTTTG 2160
Qy 2172 TATATTTCCACATACCTCATCTAGATGTCATAGCTTACATTTCTGCGCATCACTTTAACTGA 2231
Db 2161 TGATTTTCCATAGACCTCATCTAGATGTCATGGCTTACATTTCTGCGCATCACTCAACCAA 2220
Qy 2232 CA-TTTTGTGTGTTCTTGATGATAAATAGACAGTTCTTTATTTATTTCTCTCAAAATAA 2290
Db 2221 TACTTTTCTGTTTCTTGATGATAAAGACCTTCTCATGATTTGCCATCAAAATAACA 2280
Qy 2291 AAGAAACT-GAAATTTTCTTACATAGAGAAATGTCCATAGATATTTCAAGTTAAACAG 2349
Db 2281 AAGAAACTATTTTTTCTCACATAGAGAACTGTGCTAGTAAGATATTTCAAGGTGAACAG 2340
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Qy 2350 ATTATTTTGAGATAAGTAACCATTTAGAAATATGTAATTGTAATTTCTGATTTTATAAAT 2409
Db 2341 ATATTTTGGGATAGTAACCTATTTGAAATATGTTGGTGAATTTACTGAGTTTATAAAA- 2399
Qy 2410 TTTAATTTGATGATACACTT-----GATTTAAATGTTCTATTTCTTT-AAAATGATGAATAC 2462
Db 2400 TTTATTTGATGATACACTTAAAGAGATTTTATATGTTTATTTCTTTTAAATAATGATGAATAC 2459
Qy 2463 TCATAATTTCTATCTCTATATCAAAAGATATATTTTACTGTAGAAAATAAAGAGATGCT 2522
Db 2460 TCATAATTTCTATCTCTATATCAAAAGATATATTTTACTGTAGAAAATAAAGAGATGCT 2519
Qy 2523 TGTCTCAAAAGTAAAA 2538
Db 2520 TGTCTCAAAAGTAAGA 2535
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RESULT 12

US-10-175-738-521

; Sequence 521, Application US/10175738

; Publication No. US20030022294A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430R1C45

; CURRENT APPLICATION NUMBER: US/10/175,738

; CURRENT FILING DATE: 2002-06-19

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612

; SEQ ID NO 521

; LENGTH: 2974

; TYPE: DNA

; ORGANISM: Homo Sapien

US-10-175-738-521

Query Match 84.5%; Score 2330; DB 14; Length 2974;

Best Local Similarity 96.3%; Pred. No. 0;

Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;

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Qy 12 GATCAGTGTGTGAGGGAACCTGCCATCATGAGGCTGCAAGTCTGCAAGTCTGCTGATTTCTGTC 71
Db 1 GATCAGTGTGTGAGGGAACCTGCCATCATGAGGCTGCAAGTCTGCTGATTTCTGTC 60
Qy 72 TCCTCGAGCTCTTCTGTTGGCTGTGGAATCTGTGGGAAAGTCTGCTGTGGCCCTGTG 131
Db 61 TCCTCGAGCTCTTCTGTTGGCTGTGGAATCTGTGGGAAAGTCTGCTGTGGCCCTGTG 120
Qy 132 ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTTAGAAGAGCTCATAGTGAGAGGCCATG 191
Db 121 ACATGAGCCATTGGCTTAATGTCAAGGTCAATCTTAGAAGAGCTCATAGTGAGAGGCCATG 180
Qy 192 AGCTAACAGTATTGACTCACTCAAGCCCTTCGTTAATTTGACTACAGGAGCCCTTCTGCAT 251
Db 181 AGCTAACAGTATTGACTCACTCAAGCCCTTCGTTAATTTGACTACAGGAGCCCTTCTGCAT 240
Qy 252 TGAATTTGAGGTGGTCCATATGCCACAGGACAGACAGAGAAATGAAATATTTGTTG 311
Db 241 TGAATTTGAGGTGGTCCATATGCCACAGGACAGACAGAGAAATGAAATATTTGTTG 300
Qy 312 ACCTAGCTCTGAATGTCTTCCAGGCTTATCAACCTGGCAATCAGTTTATAAATTAATG 371
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Db 301 ACCTAGCTCTGAATGTCTTCCAGGCTTATCAACCTGGCAATCAGTTATAAAATTAAGT 360
Qy 372 ATTTTCTTCTGAAATAAGGAACTTTTAAATGATGTGTGAGACTTTTATCTACAATC 431
Db 361 ATTTTCTTCTGAAATAAGGAACTTTTAAATGATGTGTGAGACTTTTATCTACAATC 420
Qy 432 AGACGCTTATGAAGAAGCTTACAGGAAACCAACTACGATGTAATGCTTTATAGACCCTGTGA 491
Db 421 AGACGCTTATGAAGAAGCTTACAGGAAACCAACTACGATGTAATGCTTTATAGACCCTGTGA 480
Qy 492 TTCCCTGTGGAGACCTGATGGCTGAGTGTCTTGCAGTCCCTTTTGTGCTCACACTTAGAA 551
Db 481 TTCCCTGTGGAGACCTGATGGCTGAGTGTCTTGCAGTCCCTTTTGTGCTCACACTTAGAA 540
Qy 552 TTCTCTAGGAGCAATATGGAGCGAAGCTGTGGGAACTTCCAGCTCCACTTTCCTATG 611
Db 541 TTCTCTAGGAGCAATATGGAGCGAAGCTGTGGGAACTTCCAGCTCCACTTTCCTATG 600
Qy 612 TACCTGTGCTATGACAGGACTAAACAGACAGAAATGACCTTTCTGGAAAGAGTAAATAAT 671
Db 601 TACCTGTGCTATGACAGGACTAAACAGACAGAAATGACCTTTCTGGAAAGAGTAAATAAT 660
Qy 672 CAATGCTTTCACTTTTGTCCACTTCTGGAATCAGGATTAACGACTATCATTTTGGGAAG 731
Db 661 CAATGCTTTCACTTTTGTCCACTTCTGGAATCAGGATTAACGACTATCATTTTGGGAAG 720
Qy 732 AGTTTATAGTAAGGCAATTAGNAGGCCCACTACATTATGTGAGACTGTGGGAAAGCTG 791
Db 721 AGTTTATAGTAAGGCAATTAGNAGGCCCACTACATTATGTGAGACTGTGGGAAAGCTG 780
Qy 792 AGATATGGCTTAATACGAAATATTTGGGATTTTGAATTTTCTCAACCATACCAACTTAAC 851
Db 781 AGATATGGCTTAATACGAAATATTTGGGATTTTGAATTTTCTCAACCATACCAACTTAAC 840
Qy 852 TTGAGTTTGTGGAGATTGCACTGTAACCTGCCAAAGCTTTTGCCTAAGGAAATGGA 911
Db 841 TTGAGTTTGTGGAGATTGCACTGTAACCTGCCAAAGCTTTTGCCTAAGGAAATGGA 900
Qy 912 ATTTTGTCCAGAGTTACAGGGAAGATGGTATTTGTGGTGTCTCTGGGGTCACTGTTTC 971
Db 901 ATTTTGTCCAGAGTTACAGGGAAGATGGTATTTGTGGTGTCTCTGGGGTCACTGTTTC 960
Qy 972 AAAATGTTACAGAAAGAAAGGCTTAATCATTTGCTTCAGCCCTTGCCAGATCCCAACA 1031
Db 961 AAAATGTTACAGAAAGAAAGGCTTAATCATTTGCTTCAGCCCTTGCCAGATCCCAACA 1020
Qy 1032 AGGTGTTATGGAGTACAAAGGAAAGAAACCAATCCATTTAGGAGCCAAATCTCGGCTGT 1091
Db 1021 AGGTGTTATGGAGTACAAAGGAAAGAAACCAATCCATTTAGGAGCCAAATCTCGGCTGT 1080
Qy 1092 ATGATTGGATACCCAGAAATGATCTTCTTGGTCAATCCAAAACCAAGCTTTTATCACTC 1151
Db 1081 ATGATTGGATACCCAGAAATGATCTTCTTGGTCAATCCAAAACCAAGCTTTTATCACTC 1140
Qy 1152 ATGGTGAATGAATGGATCTATGAAGCTATTTACCATGGGTCCCTATGTTGGGAGTTC 1211
Db 1141 ATGGTGAATGAATGGATCTATGAAGCTATTTACCATGGGTCCCTATGTTGGGAGTTC 1200
Qy 1212 CCATATTTGGTGTATGAGCTTGTAAACATAGCTCACATGAAGGCCAAAGAGCAGCTGTAG 1271
Db 1201 CCATATTTGGTGTATGAGCTTGTAAACATAGCTCACATGAAGGCCAAAGAGCAGCTGTAG 1260
Qy 1272 AAATAAATCTCAAACTATGACAGGAAAGATTTACTGAGGGCTTTGAGAACAGTCAATTA 1331
Db 1261 AAATAAATCTCAAACTATGACAGGAAAGATTTACTGAGGGCTTTGAGAACAGTCAATTA 1320
Qy 1332 CGATTTCCTCTTATAAGGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG 1391
Db 1321 CGATTTCCTCTTATAAGGAAATGCTATGAGATTTATCAAGAAATTCACCATGATCAACCTG 1380
Qy 1392 TAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTATGCGCCCAAGAGGAGCCA 1451
Db 1381 TAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTATGCGCCCAAGAGGAGCCA 1440

Qy 1452 AGCACTCGGATCAGTCGCCATGACCTCACCTGGTTCAGCACTACTCTATAGATGTGA 1511
Db 1441 AGCACTCGGATCAGTCGCCATGACCTCACCTGGTTCAGCACTACTCTATAGATGTGA 1500
Qy 1512 TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTGTTCACAAATGTTTTTAT 1571
Db 1501 TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTTGTTCACAAATGTTTTTAT 1560
Qy 1572 TTTCCTGTCAAAAATTTAATAAACTAGAAAGATAGAAAAGAGGGAATAGATCTTCCAA 1631
Db 1561 TTTCCTGTCAAAAATTTAATAAACTAGAAAGATAGAAAAGAGGGAATAGATCTTCCAA 1620
Qy 1632 ATTTCAAGAAAGACCTGATGGGTAATCTGTGTAATTTCCAGCCACATAGAAATTTGGTAAA 1691
Db 1621 ATTTCAAGAAAGACCTGATGGGTAATCTGTGTAATTTCCAGCCACATAGAAATTTGGTAAA 1680
Qy 1692 ACCTTGTCTATTTTCTATATTAATCTATTTCTGTTATTTTATCTTAGCTATATAGCCTAGAAT 1751
Db 1681 ACCTTGTCTATTTTCTATATTAATCTATTTCTGTTATTTAICTTAGCTATATAGCCTAGAAT 1740
Qy 1752 CCATGATCATGAGGTTGTGAGTATATCTCATTTCTTTCGTTGCAATTTCTAGGTGTCTT 1811
Db 1741 CCATGATCATGAGGTTGTGAGTATATCTCATTTCTTTCGTTGTAATTTCTAGGTGTCTT 1800
Qy 1812 ACTCTCTCTCTCACTTTGTGACACAAGACATGAATACATCTAAATTTTCTATTTCTG 1871
Db 1801 ACTCTCTCTCTCACTTTGTGACACAAGACATGAATACATCTAAATTTTCTATTTCTG 1860
Qy 1872 ATATCACTGTTTCCATGACGTCATTTCTCTAACCTTAAAGTGATAGGGTGACCTGCAA 1931
Db 1861 ATATCACTGTTTGTGATGATGTCATTTCTTATTAACCTTAAAGTGATAGGGTGACATGCAA 1920
Qy 1932 ATATGCTGATTCCTGTTGTGCAAAAACATGGAATGTAAGAAAGTAAATAATGTAATAAT 1991
Db 1921 ATATGATTTATCTGTTGTGCGCCAAACACATGGAATGTAAGAAAGTAAATAATGTAATAAT 1980
Qy 1992 TCACAAAATTCAGTAAACCCACAAATCAATGAAGCATTTCTATGACATTTAGCTTGTATG 2051
Db 1981 TCACAAAATTCAGTAAACCCACAAATCAGGTAAGTGTCTATGAGATTTAGCTTGTGCTATG 2040
Qy 2052 AGTAAACATAATGATTTTCTTTTCAATTTAAATGAAGCCCTTCTACATACCAGCATTTAC 2111
Db 2041 AGAACAATAATGATGTTCTTTTCAATTTAAATGAAGCCCTTCTACATAGCCAGCATCAG 2100
Qy 2112 TGATCTCAGACATGAATGCTTAAATAATGAAGGCAATTTACACTCAGATATGTTGC 2171
Db 2101 TGATCTCAGAAAATAAATTTGCTTAATGAATGACATGGCAATTTATGCTTAGAAAAGTTTGC 2160
Qy 2172 TATATTTCCACATACCTCATCTAGATGTCATAGCCCTACATTTTCTGCCATCACTTAACCTGA 2231
Db 2161 TGATTTTCCATAGACCTCATCTAGATGTCATGGCCCTACATTTCTGCCATCACTCAACCAA 2220
Qy 2232 CA-TTTTTTGTGTCTTTGTGATGATAAATPAGACAGTCTTATTTATTTGTCTCTCAAAATAA 2290
Db 2221 TACTTTTTTCTGTTTCTTGTGATTAAGAACCTTTCTCATGATTTGCCATCAAAATAACA 2280
Qy 2291 AAAGAAACT-GAAATTTCTTACATAGAAAATGTCCATTAAGATATTTCAAGTTAAACAG 2349
Db 2281 AAAGAAACTTATTTTTTTTCTCATAGAGAACATGTCAGTAAAGATATTTCAAGGTGAACAG 2340
Qy 2350 ATTTATTTTGGATAAGTAACCATTAAGAAATATGTAATTTGTAATTTCTGATTTTATAAAAT 2409
Db 2341 ATTTATTTTGGGATTAAGTAACCTATTTTGAATATATGTTGTAATTTACTGATTTTATAAA- 2399
Qy 2410 TTTAAATGATAGTACACTT-----GATTTAAATGCTTATTTCTTT-AAATGATGAATAC 2462
Db 2400 TTTATTTGATAGTACACTTAAAGAAAGATTTATGTTTATTTCTTTAAATAATGATGAATAC 2459
Qy 2463 TCATAAATTTCTATCTATAATCAAAAGATTAATTTACTGTAGAAAATAAAGAGATGCT 2522
Db 2460 TCATAAATTTCTATCTCTATAATCAAAAGATTAATTTACTGTAGAAAATAAAGAGATGCT 2519

Qy 2523 TGTTCTGAAAGTAAA 2538
Db 2520 TGTTCTGAAAGTAAAG 2535

RESULT 13

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US-10-175-752-521
; Sequence 521, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C80
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-175-752-521

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Qy	552	TTTCTGTAGAGGCAATATATGGAGCGAAGCTGTGGGAAACTTTCAGCTCCACTTTCCTATG	611
Db	541	TTTCTGTAGAGGCAATATATGGAGCGAAGCTGTGGGAAACTTTCAGCTCCACTTTCCTATG	600
Qy	612	TACTGTGCCCTATGACAGGACTAACACAGATGACCTTCTGGAAAGAGTAATAAAATT	671
Db	601	TACTGTGCCCTATGACAGGACTAACACAGATGACCTTCTGGAAAGAGTAATAAAATT	660
Qy	672	CAATGCTTTTCAGTTTGTTCACCTTCTGGATTACAGATTACGACTATCATTTTTTGGGAAG	731
Db	661	CAATGCTTTTCAGTTTGTTCACCTTCTGGATTACAGATTACGACTATCATTTTTTGGGAAG	720
Qy	732	AGTTTTATAGTAAGGCATTAGGAAGGCCCACTACATATTATGTGAGACTGTGGGAAAGCTG	791
Db	721	AGTTTTATAGTAAGGCATTAGGAAGGCCCACTACATATTATGTGAGACTGTGGGAAAGCTG	780
Qy	792	AGATATGGCTTAATACGAACATATTGGGATTTTGAATTTTCTCAACCATACCAACCTAACT	851
Db	781	AGATATGGCTTAATACGAACATATTGGGATTTTGAATTTTCTCAACCATACCAACCTAACT	840
Qy	852	TTGAGTTTGTGTGAGGATTGCACTGTATAAACCCTGCCAAAGCTTTGCCCTAAGGAAATCGAAA	911
Db	841	TTGAGTTTGTGTGAGGATTGCACTGTATAAACCCTGCCAAAGCTTTGCCCTAAGGAAATCGAAA	900
Qy	912	ATTTTGTCCAGAGTTTCAGGGGAAGTGTATTTGTGGTGTTTTCTCTGGGGTCACTGTTTC	971
Db	901	ATTTTGTCCAGAGTTTCAGGGGAAGTGTATTTGTGGTGTTTTCTCTGGGGTCACTGTTTC	960
Qy	972	AAAATGTTACAGAAGAAAAGGCTAATATCATTTGCTTCAGCCCTTGCCCGAGATCCCAAGA	1031
Db	961	AAAATGTTACAGAAGAAAAGGCTAATATCATTTGCTTCAGCCCTTGCCCGAGATCCCAAGA	1020
Qy	1032	AGGTGTTATCGAGGTACAAAGGAAAAAACCACATCCACATTAGGAGCCAATACTCGGCTGT	1091
Db	1021	AGGTGTTATCGAGGTACAAAGGAAAAAACCACATCCACATTAGGAGCCAATACTCGGCTGT	1080
Qy	1092	ATGATTGGATPACCCCAAGATGATCTCTCTGGTCAATCCCAAAACCAAAGCTTTTATCACATC	1151
Db	1081	ATGATTGGATPACCCCAAGATGATCTCTCTGGTCAATCCCAAAACCAAAGCTTTTATCACATC	1140
Qy	1152	ATGGTGAATGAATGGGATCTATGAAGCTATTTACCATGGGGTCCCTATGTTGGGAGTTTC	1211
Db	1141	ATGGTGAATGAATGGGATCTATGAAGCTATTTACCATGGGGTCCCTATGTTGGGAGTTTC	1200
Qy	1212	CCATATTGGTGATCAGCTTGATAACATAGCTACATGAAGCCCAAGAGCAGCAGCTGTAG	1271
Db	1201	CCATATTGGTGATCAGCTTGATAACATAGCTACATGAAGCCCAAGAGCAGCAGCTGTAG	1260
Qy	1272	AAATAAACTTCAAAACTATGACAAGCGAAGATTTACTGAGGGCTTTGAGAACAGTCATTA	1331
Db	1261	AAATAAACTTCAAAACTATGACAAGCGAAGATTTACTGAGGGCTTTGAGAACAGTCATTA	1320
Qy	1332	CCGATTCCTCTTATAAAGAGAATGCTATGAGATTATCAAGAATTCAACATGATCAACCTG	1391
Db	1321	CCGATTCCTCTTATAAAGAGAATGCTATGAGATTATCAAGAATTCAACATGATCAACCTG	1380
Qy	1392	TAAAGCCCCTAGATCCAGCAGCTCTCTCGATCGAGTTTGTCAATGGCCCAAAAGGAGCCA	1451
Db	1381	TAAAGCCCCTAGATCCAGCAGCTCTCTCGATCGAGTTTGTCAATGGCCCAAAAGGAGCCA	1440
Qy	1452	AGCACTGGGATCAGCTGCCATGACCTCACTGGTTCCAGCACTACTCTATAGATGTGA	1511
Db	1441	AGCACTGGGATCAGCTGCCATGACCTCACTGGTTCCAGCACTACTCTATAGATGTGA	1500
Qy	1512	TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTGTTCACAAAATGTTTTTAT	1571
Db	1501	TTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTCTGTTCACAAAATGTTTTTAT	1560
Qy	1572	TTTCTGTCAAAAATTTAATAAACTAGAAAGATAGAAAGGAGGATAGATCTTTCCAA	1631
Db	1561	TTTCTGTCAAAAATTTAATAAACTAGAAAGATAGAAAGGAGGATAGATCTTTCCAA	1620

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QY 1632 ATTCAAGAAAGACCTGATGGGTAATCCTGTTAAATTCACGACACATAGAAATTTGGTGAA 1691
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QY 1621 ATTCAAGAAAGACCTGATGGGTAATCCTGTTAAATTCAGCCACATAGAAATTTGGTGAA 1680
Db |||||
QY 1692 ACCTTGCTATTTTCATPAATATCTATTCTGTTATTTTATCTTAGCTATATAGCCTAGAAT 1751
Db |||||
QY 1681 ACCTTGCTATTTTCATPAATATCTATTCTGTTATTTTATCTTAGCTATATAGCCTAGAAT 1740
Db |||||
QY 1752 CANTGATCATAGAGTTGTGAGTATATCTCATCTCTTCGTTGGATTTTCTAGGTGCTT 1811
Db |||||
QY 1741 CCATGATCATAGAGTTGTGAGTATATCTCATCTCTTCGTTGGATTTTCTAGGTGCTT 1800
Db |||||
QY 1812 ACTCTCTCTCTCACCTTGTGACACAGACATGAATACATCTAAATTTTCTATTTCG 1871
Db |||||
QY 1801 ACTCTCTCTCTCACCTTGTGACACAGACATGAATACATCTAAATTTTCTATTTCG 1860
Db |||||
QY 1872 ATATCACTGTTTCCATGACGTCATTTCTCTTAACCTTTAAGTGATAGGTTGACCTGCAA 1931
Db |||||
QY 1861 ATATGACTGTTTGTGATGATGTCATTTCTTATAACCTTTAAGTGATAGGTTGACATGCAA 1920
Db |||||
QY 1932 TATGCTGATTCCTGTTGTTGCAACAAACATGATGATGAAGATGAAGATGAAGATGAAGAT 1991
Db |||||
QY 1921 TATGATTAATTCCTGTTGTTGCGCCAAACACATGATATGAAGAGGTAAAGAACTTTAAAT 1980
Db |||||
QY 1992 TCACAAATTCAGTAAACACACAAATCAATGAAGCATTTCTATGACATTTAGCTTGTATG 2051
Db |||||
QY 1981 TCACAAATTCAGTAAACACACAAATCAGTTAAGTTCTATGAGTTAGCTGGCTATG 2040
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QY 2052 AGTAACATAATGATTTTCTTTTCAATTTAAATTAAGCCCTTCTACATACCCAGCATTTAC 2111
Db |||||
QY 2041 AGAAACATAATGATGTTCTTTTCAATTTAAATTAAGCCCTTCTACATAGCCAGCATCAG 2100
Db |||||
QY 2112 TGATCTCAGCAATGAATTTGCTTAAATGACAGTAGGGCATTTACACTCAGATAGTTTGC 2171
Db |||||
QY 2101 TGATCTCAGAAATAATTAATGCTAAATGATGACATGGCATTTATGTTAGAAAAGTTTGC 2160
Db |||||
QY 2172 TATATTTCCACATACCTCATCTAGATGTCATAGCCCTACATTTCTGCGCATCACTTAACGA 2231
Db |||||
QY 2161 TGTATTTCCATAGACCTCATCTAGATGTCATGGCCCTACATTTCTGCGCATCACTTAACGA 2220
Db |||||
QY 2232 CA-TTTTTGTGTGTTCTTGATGATAAATAGACAGTTCTTTATTTATTTGCTCCTCAATAATA 2290
Db |||||
QY 2221 TACTTTTTTCTGTTTCTTGATGATAAAGACCTTTTCTCATGATTTGCCATCAATAAACA 2280
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QY 2291 AAAGAAACT- GAAATTTTCTTACATAGAGAAATGTCATAGATATTTCAAGTTAAACAG 2349
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QY 2281 AAAGAAACTATTTTCTTCTCATAGAGAAACATGTCAGTAAGATATTTCAAGGTGAACAG 2340
Db |||||
QY 2350 ATTATTTTCAGATAAGTAACCATTTAGAAATATGTTGATTTCTGATTTTATAAAT 2409
Db |||||
QY 2341 ATATTTTGGGATTAGTAATTTTGAATATGTTGGTGAATATTTACTGAGTTTATAAA- 2399
Db |||||
QY 2410 TTTAATGATAGTACACTT-----GATTTAAATGTTCTATTCTTT-AAAATGATGAATAC 2462
Db |||||
QY 2400 TTTATTTGATAGTACACTTAAAGAAAGATTTATATGTTTATTTCTTTAAATGATGAATAC 2459
Db |||||
QY 2463 TCATAATTTCTATCTCTATAATCAAAAGATTAATTTTACTGTGAGAAATAAAGAGATGCT 2522
Db |||||
QY 2460 TCATAATTTCTATCTCTATAATCAAAAGTATAATTTTACTGTGAGAAATAAAGAGATGCT 2519
Db |||||
QY 2523 TGTCTCTGAAAGTAA 2538
Db |||||
QY 2520 TGTCTGAAAGTAA 2535
Db |||||
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RESULT 14

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US-10-176-482-521
; Sequence 521, Application US/10176482
; Publication No. US2003002296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
```

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; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176,482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-482-521
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Query Match 84.5%; Score 2330; DB 14; Length 2974;
Best Local Similarity 96.3%; Pred. No. 0;
Matches 2441; Conservative 0; Mismatches 85; Indels 10; Gaps 5;
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Db |||||
QY 72 TCCTCAGCTCTTCTGTGTTGGCTGTGGATTCTGTGGAAAGTCTGTGTGGCCCTGTG 131
Db |||||
QY 61 TCCTCAGCTCTTCTGTGTTGGCTGTGGATTCTGTGGAAAGTCTGTGTGGCCCTGTG 120
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QY 132 ACATGAGCATTTGGCTTAATGTCAAGGTCAATTTCTAGAGAGCTCATAGTGAGAGGCCATG 191
Db |||||
QY 121 ACATGAGCATTTGGCTTAATGTCAAGGTCAATTTCTAGAGAGCTCATAGTGAGAGGCCATG 180
Db |||||
QY 192 AGGTAAACAGTATTTGACTCACTCAAGAGCTTCTGTTAAATTTGACTACAGGAAGCTTCTGCAT 251
Db |||||
QY 181 AGGTAAACAGTATTTGACTCACTCAAGAGCTTCTGTTAAATTTGACTACAGGAAGCTTCTGCAT 240
Db |||||
QY 252 TGAATTTTGTGAGTGTCTCATATGCCACAGGACAGAAACAGAAATGAAATTTTGTG 311
Db |||||
QY 241 TGAATTTTGTGAGTGTCTCATATGCCACAGGACAGAAACAGAAATGAAATTTTGTG 300
Db |||||
QY 312 ACCTAGCTGTAATGTCTTGCAGGCTTATCAACCTGGCAATCAGTTATAAATTTAAATG 371
Db |||||
QY 301 ACCTAGCTGTAATGTCTTGCAGGCTTATCAACCTGGCAATCAGTTATAAATTTAAATG 360
Db |||||
QY 372 ATTTTGTGTAATAAGAGGAACTTTTAAATATGATGTGAGAGCTTTTATCTACAATC 431
Db |||||
QY 361 ATTTTGTGTAATAAGAGGAACTTTTAAATATGATGTGAGAGCTTTTATCTACAATC 420
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QY 432 AGACGCTTATGAAGAGCTTACAGGAAACCAACTACGATGTAATGCTTATAGACCTGTGA 491
Db |||||
QY 421 AGACGCTTATGAAGAGCTTACAGGAAACCAACTACGATGTAATGCTTATAGACCTGTGA 480
Db |||||
QY 492 TTTCCCTGTGGAGACCTGATGGCTGTGCTTGGAGTCCCTTTTGTGCTCACACTTAGAA 551
Db |||||
QY 481 TTTCCCTGTGGAGACCTGATGGCTGTGCTTGGAGTCCCTTTTGTGCTCACACTTAGAA 540
Db |||||
QY 552 TTTCTGTAGGAGCAATATGGAGCGAAGCTGTGGGAAATCTCCAGCTCCACTTTTCTATG 611
Db |||||
QY 541 TTTCTGTAGGAGCAATATGGAGCGAAGCTGTGGGAAATCTCCAGCTCCACTTTTCTATG 600
Db |||||
QY 612 TACCTGTGCTATGACAGGACTTAACAGACAGAAATGACCTTTCTGGAAAGAGTAAATAAT 671
Db |||||
QY 601 TACCTGTGCTATGACAGGACTTAACAGACAGAAATGACCTTTCTGGAAAGAGTAAATAAT 660
Db |||||
QY 672 CAATGCTTTTCACTTTTGTTCCTCTCTGAGTTTACGACTATCATTTTGTGGAGAG 731
Db |||||
QY 661 CAATGCTTTTCACTTTTGTTCCTCTCTGAGTTTACGACTATCATTTTGTGGAGAG 720
Db |||||
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Qy	732	AGTTTTATAGTAAGGCATTAGGAAGGCCCACTACATTATGTGAGACTGTGGGAAAAGCTG	791
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Qy	792	AGATATGCTAAATACGAACATATTGGGATTTTGAATTTTCCTCAACCATACCAACTCAACT	851
Db	781	AGATATGCTAAATACGAACATATTGGGATTTTGAATTTTCCTCAACCATACCAACTCAACT	840
Qy	852	TTGAGTTTGTGGAGATTGACACTGTAAACCTGCCAAAGCTTTTGCCTAAAGGAAATGGAAA	911
Db	841	TTGAGTTTGTGGAGATTGACACTGTAAACCTGCCAAAGCTTTTGCCTAAAGGAAATGGAAA	900
Qy	912	ATTTTGTCCAGAGTTCAGGGGAAAGATGGTATTTGTGGTGTGTTTCTCTGGGGTCACTGTTTC	971
Db	901	ATTTTGTCCAGAGTTCAGGGGAAAGATGGTATTTGTGGTGTGTTTCTCTGGGGTCACTGTTTC	960
Qy	972	AAAATGTTTACAGAAGAAAGGCTTAATATCATTTGCTTCAGCCCTTGGCCAGATCCACAGA	1031
Db	961	AAAATGTTTACAGAAGAAAGGCTTAATATCATTTGCTTCAGCCCTTGGCCAGATCCACAGA	1020
Qy	1032	AGGTGTTATTGAGGTTACAAAGGAAAAAAACCATCCACATTAGGAGGCCAAATACTCGGCTGT	1091
Db	1021	AGGTGTTATTGAGGTTACAAAGGAAAAAAACCATCCACATTAGGAGGCCAAATACTCGGCTGT	1080
Qy	1092	ATGATTTGGATACCCCGAAGATGATCTTCTTGTCATATCCCAAACCAAAAGCTTTTATCACTC	1151
Db	1081	ATGATTTGGATACCCCGAAGATGATCTTCTTGTCATATCCCAAACCAAAAGCTTTTATCACTC	1140
Qy	1152	ATGGTGGAATGAATGGGATCTATCAAGCTATTATTACCATGGGGTCCCTATGGTGGAGTTC	1211
Db	1141	ATGGTGGAATGAATGGGATCTATCAAGCTATTATTACCATGGGGTCCCTATGGTGGAGTTC	1200
Qy	1212	CCATATTGTTGATGACGCTTCATTAACATAGCTCCATGAAAGGCCCAAAGGAGCAGCTCTGAG	1271
Db	1201	CCATATTGTTGATGACGCTTCATTAACATAGCTCCATGAAAGGCCCAAAGGAGCAGCTCTGAG	1260
Qy	1272	AAATAAACTTCAAAACTATGACAAAGCGAAGATTTACTGAGGGCTTTGAGAACAGTCAATTA	1331
Db	1261	AAATAAACTTCAAAACTATGACAAAGCGAAGATTTACTGAGGGCTTTGAGAACAGTCAATTA	1320
Qy	1332	CCGATTCCTCTTATAAAGAGNAATGCTATGAGATTTATCAAGNAATTCACCATGATCAACTG	1391
Db	1321	CCGATTCCTCTTATAAAGAGNAATGCTATGAGATTTATCAAGNAATTCACCATGATCAACTG	1380
Qy	1392	TAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCCAAAAGGAGCCCA	1451
Db	1381	TAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCCAAAAGGAGCCCA	1440
Qy	1452	AGCACCTGGCATGAGCTGCCCATGACCTCACTCGTTTCCAGCACTACTCTATAGATGTGA	1511
Db	1441	AGCACCTGGCATGAGCTGCCCATGACCTCACTCGTTTCCAGCACTACTCTATAGATGTGA	1500
Qy	1512	TTGGGTTTCTGCTGACCTGTGTGGCAACTGCTATATTCTTGTTCACAAAATGTTTTTTAT	1571
Db	1501	TTGGGTTTCTGCTGACCTGTGTGGCAACTGCTATATTCTTGTTCACAAAATGTTTTTTAT	1560
Qy	1572	TTTTCTGTCAAAAATTTAAATAAACTAGAAAGATAGAAAAGAGGGAATAGATCTTTCCAA	1631
Db	1561	TTTTCTGTCAAAAATTTAAATAAACTAGAAAGATAGAAAAGAGGGAATAGATCTTTCCAA	1620
Qy	1632	ATTCAGAAGAACCTGATGGGGTAATCCTGTTAAATCCAGCCCATAGAAATTTGGTGAAA	1691
Db	1621	ATTCAGAAGAACCTGATGGGGTAATCCTGTTAAATCCAGCCCATAGAAATTTGGTGAAA	1680
Qy	1692	ACCTTGCTATTTTCATATTAATCTATCTTGTTATTTTATCTTAGCTATATAGCCTAGAAAT	1751
Db	1681	ACCTTGCTATTTTCATATTAATCTATCTTGTTATTTTATCTTAGCTATATAGCCTAGAAAT	1740
Qy	1752	CCATGATCATGAGGTGTGAGTATATCTCATCTTTCTGTTGCATTTTTCTTAGGTGCTTT	1811
Db	1741	CCATGATCATGAGGTGTGAGTATATCTCATCTTTCTGTTGATATTTTCTTAGGTGCTTT	1800
Qy	1812	ACTCTCTTCTCTCACTTTGTGACACAAAGGACATGAATACATCTAAATTTTCTTATTTCTG	1871

RESULT 15

RESULT 15
US-10-176-757-521

03-10-178-737-321
; Sequence 521, Application US/10176757

; Publication No. US20030022297A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin K.

APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: SEC

1. TITLE OF INVENTION: ACIDS ENCODING THE SAME

FILE REFERENCE: D3420B1C86

FILE REFERENCE: P3430R1C86
CURRENT APPLICATION NUMBER:

; CURRENT APPLICATION NUMBER: US/10/176,757
 : CURRENT FILING DATE: 2003-06-20

; CURRENT FILING DATE: 2002-06-20


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Qy 2052 AGTAACATAATGATTTTCTTTTCAATTTAAATAAGCCCTTCTACATAGCCAGCAATTAC 2111
Db 2041 AGAACATAATGATGTTCTTTTCAATTTAAATAAGCCCTTCTACATAGCCAGCATCAG 2100
Qy 2112 TGATCTCAGACAATGAATTTGCTAAATAATGACGATAGGGCATTTACACTCAGAAATAGTTGC 2171
Db 2101 TGATCTCAGAAAATAAATTTGCTAATAATGATGACATGGCATTATGCTTAGAAAAAGTTTGC 2160
Qy 2172 TATATTTCCCATACCTCATCTAGATGTCTAGCCTACATTTCTGCCCATCACTTAACTGA 2231
Db 2161 TGTATTTCCATAGACCTCATCTAGATGTCTAGGGCTACATTTCTGCCCATCACTCAACCA 2220
Qy 2232 CA-TTTTTTGTGTGTTCTTGATGATAAATAGACAGTTCTTATTTATTTGTCCTCAAAATAATA 2290
Db 2221 TACTTTTTTCTGTTTTCTTGATGATAAAGACCTTTCTCATGATTGCCATCAAAATAACA 2280
Qy 2291 AAAGAACT-GAAATTTTCTTACATAGAGAAAATGTCCATAAGATATTCAAGTTAAACAG 2349
Db 2281 AAAGAACTATTTTTTTCTCACATAGAGAACATGTCTAGTAAGATATTCAAGGTGAACAG 2340
Qy 2350 ATTATTTTGAGATAAGTAACCATTTAGAAATATGTGATTGTAATTTCTGATTTTATAAAAT 2409
Db 2341 ATATTTTGGGATTAGTAACCTATTTGAAATATGTGGTGATAATTTACTGAGTTTATAAAA- 2399
Qy 2410 TTTAATTGATAGTACACTT-----GATTTAAATGTCTATTCTTT-AAAATGATGAATAC 2462
Db 2400 TTTATTTGATGATACACTTAAAGAGATTATATGTTTATCTTTTAAATGATGAATAC 2459
Qy 2463 TCATAATTTCTATCTTATATATCAAAAGTATAATTTTACTGTAGAAAAATAAAGAGATGCT 2522
Db 2460 TCATAATTTCTATCTTATAATCAAAAGTATAATTTTACTGTAGAAAAATAAAGAGATGCT 2519
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Db 2520 TGTTCTGAAAGTAAGA 2535
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Job time : 1736.78 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: April 4, 2005, 23:01:44 ; Search time 28 Seconds
(without alignments)
1405.002 Million cell updates/sec

Title: US-09-784-340-2

Perfect score: 2802

Sequence: 1 MRSDKSLVLLQLFCVGC.....KCFLESCQKNKTKIEKRE 527

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

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- 2: /cgn2_6/ptodata/1/iaa/5B.COMB.pep.*
- 3: /cgn2_6/ptodata/1/iaa/6A.COMB.pep.*
- 4: /cgn2_6/ptodata/1/iaa/6B.COMB.pep.*
- 5: /cgn2_6/ptodata/1/iaa/6C.COMB.pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1732	61.8	530	3	US-09-180-852-2
2	1729	61.7	528	4	US-09-356-806-8
3	1725	61.6	540	4	US-09-949-016-8465
4	1725	61.6	540	4	US-09-949-016-8052
5	1713	61.1	530	4	US-09-356-806-113
6	1689	60.3	528	4	US-09-949-016-6999
7	1673.5	59.7	524	4	US-09-356-806-40
8	1480	52.8	439	4	US-09-949-016-8605
9	1418	50.6	388	4	US-09-949-016-8466
10	1418	50.6	388	4	US-09-949-016-8467
11	1399	49.9	454	3	US-09-813-918-2
12	1399	49.9	454	4	US-10-060-311-2
13	1354	48.3	440	4	US-09-949-016-8606
14	1354	48.3	440	4	US-09-949-016-8607
15	1155	41.2	288	3	US-09-813-918-3
16	1155	41.2	288	4	US-10-060-311-3
17	1137	40.6	533	4	US-09-949-016-5947
18	1137	40.6	538	4	US-09-949-016-7684
19	1130	40.3	533	5	PCT-US92-00282-3
20	1128.5	40.3	531	5	PCT-US92-00282-6
21	1077	38.4	531	5	PCT-US92-00282-5
22	1076.5	38.4	534	5	PCT-US92-00282-4
23	1052.5	37.6	529	5	PCT-US92-00282-7
24	755.5	27.0	245	4	US-09-305-856B-18
25	472.5	16.9	256	4	US-09-270-767-33692
26	472.5	16.9	256	4	US-09-270-767-48909
27	405	14.5	78	4	US-09-513-999C-7361

28	401.5	14.3	389	4	US-09-270-767-45357	Sequence 45357, A
29	391	14.0	129	4	US-09-370-838-36	Sequence 36, Appl
30	391	14.0	129	4	US-09-854-133-36	Sequence 36, Appl
31	383.5	13.7	288	4	US-09-305-856B-2	Sequence 2, Appl
32	383.5	13.7	288	5	PCT-US92-00282-19	Sequence 19, Appl
33	356.5	12.7	515	3	US-08-942-012B-32	Sequence 32, Appl
34	353.5	12.6	197	3	US-09-813-918-4	Sequence 4, Appl
35	353.5	12.6	197	4	US-10-060-311-4	Sequence 4, Appl
36	349.5	12.5	310	4	US-09-305-856B-14	Sequence 14, Appl
37	341	12.2	287	4	US-09-305-856B-10	Sequence 10, Appl
38	341	12.2	460	3	US-08-942-012B-33	Sequence 33, Appl
39	333.5	11.9	286	5	PCT-US92-00282-9	Sequence 9, Appl
40	330	11.8	339	4	US-09-270-767-42493	Sequence 42493, A
41	329	11.7	488	3	US-08-942-012B-29	Sequence 29, Appl
42	329	11.7	488	3	US-08-942-012B-30	Sequence 30, Appl
43	327.5	11.7	317	4	US-09-305-856B-12	Sequence 12, Appl
44	326	11.6	289	4	US-09-305-856B-4	Sequence 4, Appl
45	326	11.6	289	5	PCT-US92-00282-11	Sequence 11, Appl

ALIGNMENTS

RESULT 1

US-09-180-852-2

; Sequence 2, Application US/09180852

; Patent No. 6287834

; GENERAL INFORMATION:

; APPLICANT: BELANGER, Alain

; APPLICANT: HUM, Dean W.

; APPLICANT: BEAULIEU, Martin

; APPLICANT: LEVESQUE, Eric

; TITLE OF INVENTION: CHARACTERIZATION AND USE OF AN ISOLATED URIDINE

; FILE REFERENCE: 1259-449

; CURRENT APPLICATION NUMBER: US/09/180.852

; CURRENT FILING DATE: 1999-02-08

; EARLIER APPLICATION NUMBER: PCT/CA97/00328

; EARLIER FILING DATE: 1997-05-16

; EARLIER APPLICATION NUMBER: US 08/649,319

; EARLIER FILING DATE: 1996-05-17

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 2

; LENGTH: 530

; TYPE: PRT

; ORGANISM: Homo sapiens

US-09-180-852-2

Query Match 61.8%; Score 1732; DB 3; Length 530;
Best Local Similarity 61.5%; Pred. No. 1.1e-178;
Matches 326; Conservative 74; Mismatches 112; Indels 18; Gaps 3;

Qy	9	VFLLLQLFC-VGGFCGKVLVPCDMSHNLVKNVILBELIVRGHEVTVLTHSKPSLIDYR	67
Db	8	VFLLMQLSCYFSSGCGKVLVWPTEYSHWINMKLTILELVQVGHVITVLTSSASILVNAS	67
Qy	68	KPSALKEVHVMPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGLTKM----	123
Db	68	KSSAIKLEVTYPTSLTKNDLEDFFMKM-----FDRWYTSISKNTFWSYFSLQELCWEY	120
Qy	124	-----MCESFIVNQLMKKLTQNTYDVLMDIPVPCGDLMAELLAVPFVLTLRISVCGN	177
Db	121	SDYNIKLCEDAVLNKLMKRLQESKFDVLLADAVNPGCELLAELLNTPFLYSLRFSVGYT	180
Qy	178	MERSCGKLPAPLSYVPVPMTGLTDRMTFLERVKNMSLVLFHFHFIQDYDYHFWBEFYSKA	237
Db	181	VEKNGGGLFPFPPSYVPVVMGSELSQDMIFMERIKNIMYMLYDFDFWQAYDLKKWQDFYSEV	240
Qy	238	LGPRPTLCETVGKAEIWLITDYWDFFPPQYOPNFVFGGLHCKPAKALPKEMENFVQSS	297
Db	241	LGPRPTLTFETMGKAEIWLITDYWDFFPPRPLPNVDVFGGLHCKPAKPLPKEMEEFVQSS	300

US-09-356-806-113
; Sequence 113, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Pennv. Laura

; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 6999
; LENGTH: 528
; TYPE: PRF
; ORGANISM: Human
US-09-949-016-6999

Query Match 60.3%; Score 1689; DB 4; Length 528;
Best Local Similarity 61.9%; Pred. No. 4.9e-174;
Matches 327; Conservative 61; Mismatches 136; Indels 4; Gaps 3;
QY 3 SDKSALVILLQLFC-VGGCGCKVLVWPCDMSHLNVKVLIELIVRGHEVTVLTHSKP 61
DB 2 SMKWTGALLIQLSCYFSSGCKVLVWPTFESHWNKTIILDELQVQHEVTVLASSAS 61
QY 62 SLIDYRKPSALKFEVVMQDRTEENEIFVDLALN--VLPGSLSTWQSVIKLNDFFVEIRG 119
DB 62 ISFDNPSSTLKEVPVPSLTKTEFEDIIKQLVKRWAEPLKDTFWYFSQVQEIIMWTFND 121
QY 120 TLKMCESFIYNTLMKKLQETNYDMLIDPVPICGDLMAELIAPVFLVTLRIISVGGNME 179
DB 122 ILRKFKDIVSNKKMKLQESRFDVVLADAVFPFCELLAELLKIPFVYRPRFSPGYATE 181
QY 180 RSCGKLPAFLSYVVPMTGLTDBMTFLERVKNSMLSVLFHFWDYDHFWEFYSKALG 239
DB 182 KHSGGLFPFSPVYVPMVMSLSDQMTIERVKMIYVLYFEFQIFDMKKWDQFYSEVLG 241
QY 240 RPTTLCETVGKAEIWLIRYTWDPFPPQYQPNFEPVGGHCKPAKALPKEMENFVQSSGE 299
DB 242 RPTTLSETWAKADIWLIRYNDPQPHPLPNVDFVGGHCKPAKPLPKEMEDEFVQSSGE 301
QY 300 DGIWVPSLGSFONVTEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWTIPOND 359
DB 302 NGVVFSLGSMVSNTEERANVIASALAKIPQKVLWRFDPGNKPDTLGLNTRYKWIPOND 361
QY 360 LIGHPTKAFITHGGMNGIYEAHYHGVPMVGPVPIFGDQDNLNIAHMKAKAAVEINPKTWT 419
DB 362 LIGHPTKAFITHGGANGIYEAHYHGI PMVGPIPLFADQPDNIAHMKARGAAVRVDNTMS 421
QY 420 SEDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVMRHKGAKHLRSAH 479
DB 422 STDLLNALKRVINDPDKYKENAMKLSRIHHDQPKPLDRAVFWIEFVMRHKGAKHLRSAH 481
QY 480 DLTWFQHSIDVIGLLTCTVATAIFLTKCFLSCQKFNKTRKRE 527
DB 482 DLTWFQHSIDVIGLLACVATVIFITK-LFCVWKFRVTGKGKED 528

RESULT 7
US-09-356-806-40
; Sequence 40, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356,806
; PRIOR FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 40
; LENGTH: 524
; TYPE: PRF
; ORGANISM: H. sapiens
US-09-356-806-40

Query Match 59.7%; Score 1673.5; DB 4; Length 524;
Best Local Similarity 61.0%; Pred. No. 2.3e-172;
Matches 319; Conservative 66; Mismatches 135; Indels 3; Gaps 3;
QY 3 SDKSALVILLQL-LFCVGGCGCKVLVWPCDMSHLNVKVLIELIVRGHEVTVLTHSKP 61
DB 2 SVKWTGALLIQLSFCFSSGCKVLVWAAEYSHWNKTIILDELQVQHEVTVLASSAS 61
QY 62 SLIDYRKPSALKFEVVMQDRTE-ENEIFVDL-ALANVLPGSLSTWQSVIKLNDFFVEIRG 119
DB 62 ILFDPNNSALKIEIVPTSLTKTELENFIMQIKWSDLPKDTFWLYFSQVQEIIMSFID 121
QY 120 TLKMCESFIYNTLMKKLQETNYDMLIDPVPICGDLMAELIAPVFLVTLRIISVGGNME 179
DB 122 ITRKFKDIVSNKKMKVQESRFDVIFADAIFFPCSELLAELEFNIPFVYLSFSFGYTPE 181
QY 180 RSCGKLPAFLSYVVPMTGLTDBMTFLERVKNSMLSVLFHFWDYDHFWEFYSKALG 239
DB 182 KHSGGFIIPSPVYVPMVMSLTDQMTFMRVKMIYVLYDFWFEIFDMKKWDQFYSEVLG 241
QY 240 RPTTLCETVGKAEIWLIRYTWDPFPPQYQPNFEPVGGHCKPAKALPKEMENFVQSSGE 299
DB 242 RPTTLSETWAKADWLVIRNSWNQFPYPLPNVDFVGGHCKPAKPLPKEMEDEFVQSSGE 301
QY 300 DGIWVPSLGSFONVTEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWTIPOND 359
DB 302 NGVVFSLGSMVSNTEERANVIASALAQIPQKVLWRFDPGNKPDTLGLNTRYKWIPOND 361
QY 360 LIGHPTKAFITHGGMNGIYEAHYHGVPMVGPVPIFGDQDNLNIAHMKAKAAVEINPKTWT 419
DB 362 LIGHPTKAFITHGGANGIYEAHYHGI PMVGPIPLFADQPDNIAHMKARGAAVRVDNTMS 421
QY 420 SEDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVMRHKGAKHLRSAH 479
DB 422 STDLLNALKRVINDPDKYKENAMKLSRIHHDQPKPLDRAVFWIEFVMRHKGAKHLRSAH 481
QY 480 DLTWFQHSIDVIGLLTCTVATAIFLTKCFLSCQKFNKTRK 522
DB 482 DLTWFQHSIDVIGLLVCVATVIFITVKCLFCFWKFAKAK 524

RESULT 8
US-09-949-016-8605
; Sequence 8605, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8605
; LENGTH: 439
; TYPE: PRF
; ORGANISM: Human
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(439)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-09-949-016-8605

Query Match 52.8%; Score 1480; DB 4; Length 439;
Best Local Similarity 66.3%; Pred. No. 1.8e-151;


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RESULT 11
US-09-813-918-2
; Sequence 2, Application US/09813918
; Patent No. 6383789
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001175
; CURRENT APPLICATION NUMBER: US/09/813,918
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Human
US-09-813-918-2

Query Match          49.9%; Score 1399; DB 3; Length 454;
Best Local Similarity 52.3%; Pred. No. 1.2e-142;
Matches 277; Conservative 56; Mismatches 103; Indels 94; Gaps 5;

QY 9 VFLLQLFC-VCCGCGKVLWPCDMSHLNKKVLEBILVRGHEVTVLTHSKPSLIDYR 67
DB 8 VLLLIHLSCYFSSGCGKVLWAAEYSHMMNMKTILKELVQRGHEVTVLASSASILFDPN 67
QY 68 KPSALKFEVVMHPQDRTENEIFVDLALNVLPLGLSTWQSVIKLNDFFV-----EI 117
DB 68 DASTLKFEVYPTSLTKTEFNI-----IMQVKRW-SDIRKDSFWLYFSQEQEILWEL 119
QY 118 RGTLMKMCESFYNOTLAKKLQETNYDVMLIDPVPICGDLMAELLAVPFLVTLRISVGN 177
DB 120 YDIFRNFCDDVSNKKVMKKLQELRFDIVFADAVFPCCGELLAALLNI-----166
QY 178 MERSCGKLPAPLSYVVPVMTGLTDRMTFLERVKNMSLSVLHFHWIQDYDHFWEFYSKA 237
DB 167 -----166
QY 238 LGRPTTLCETVGAIEWLIRTYWDFFPPQYOPNFEFVGGHLCKPAKALPKEMENFVOSS 297
DB 167 --RPTTLETMGKADIWLRNFWSPQFPHFPLPNVDFVGGFCHCKPAKELPKEMEEFVOSS 224
QY 298 GEDGIWVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYKGGKPSITLGANTRLYDWIPIQ 357
DB 225 GENGWVVSLSGVSINMTAERANVIATALARIPOKVLWRFDGNKPDALGLNTRLYKWIPIQ 284
QY 358 NDLLGHPTKATFITHGGMNGIYEAIYHGVPMVGVPIFGQDLNIAHMKAKGAAGVINFKT 417
DB 285 NDLLGHPTKATFITHGGMNGIYEAIYHGVPMVGVPIFGQDLNIAHMKAKGAAGVINFKT 344
QY 418 MTSDDLRLALRTVITDSSYKENAMRLSRIHHDQPKVPLDRAVFWIEFVWRHKGAKHLRSA 477
DB 345 MSTDLLNALKTVINDPLYKENIMKLSRIHQDQPKVPLDRAVFWIEFVWRHKGAKHLRSA 404
QY 478 AHDLTWFOHYSIDVIGFLITCVATAIFLTKCFLFSQCKFNKTRKIEKRE 527
DB 405 AHDLTWFOHYSIDVIGFLITCVATAIFLTKCFLFSQCKFNKTRKIEKRE 454

RESULT 12
US-10-060-311-2
; Sequence 2, Application US/10060311
; Patent No. 6713295
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001175DIV
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; CURRENT APPLICATION NUMBER: US/10/060,311
; CURRENT FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 454
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-060-311-2

Query Match          49.9%; Score 1399; DB 4; Length 454;
Best Local Similarity 52.3%; Pred. No. 1.2e-142;
Matches 277; Conservative 56; Mismatches 103; Indels 94; Gaps 5;

QY 9 VFLLQLFC-VCCGCGKVLWPCDMSHLNKKVLEBILVRGHEVTVLTHSKPSLIDYR 67
DB 8 VLLLIHLSCYFSSGCGKVLWAAEYSHMMNMKTILKELVQRGHEVTVLASSASILFDPN 67
QY 68 KPSALKFEVVMHPQDRTENEIFVDLALNVLPLGLSTWQSVIKLNDFFV-----EI 117
DB 68 DASTLKFEVYPTSLTKTEFNI-----IMQVKRW-SDIRKDSFWLYFSQEQEILWEL 119
QY 118 RGTLMKMCESFYNOTLAKKLQETNYDVMLIDPVPICGDLMAELLAVPFLVTLRISVGN 177
DB 120 YDIFRNFCDDVSNKKVMKKLQELRFDIVFADAVFPCCGELLAALLNI-----166
QY 178 MERSCGKLPAPLSYVVPVMTGLTDRMTFLERVKNMSLSVLHFHWIQDYDHFWEFYSKA 237
DB 167 -----166
QY 238 LGRPTTLCETVGAIEWLIRTYWDFFPPQYOPNFEFVGGHLCKPAKALPKEMENFVOSS 297
DB 167 --RPTTLETMGKADIWLRNFWSPQFPHFPLPNVDFVGGFCHCKPAKELPKEMEEFVOSS 224
QY 298 GEDGIWVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYKGGKPSITLGANTRLYDWIPIQ 357
DB 225 GENGWVVSLSGVSINMTAERANVIATALARIPOKVLWRFDGNKPDALGLNTRLYKWIPIQ 284
QY 358 NDLLGHPTKATFITHGGMNGIYEAIYHGVPMVGVPIFGQDLNIAHMKAKGAAGVINFKT 417
DB 285 NDLLGHPTKATFITHGGMNGIYEAIYHGVPMVGVPIFGQDLNIAHMKAKGAAGVINFKT 344
QY 418 MTSDDLRLALRTVITDSSYKENAMRLSRIHHDQPKVPLDRAVFWIEFVWRHKGAKHLRSA 477
DB 345 MSTDLLNALKTVINDPLYKENIMKLSRIHQDQPKVPLDRAVFWIEFVWRHKGAKHLRSA 404
QY 478 AHDLTWFOHYSIDVIGFLITCVATAIFLTKCFLFSQCKFNKTRKIEKRE 527
DB 405 AHDLTWFOHYSIDVIGFLITCVATAIFLTKCFLFSQCKFNKTRKIEKRE 454

RESULT 13
US-09-949-016-8606
; Sequence 8606, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8606
; LENGTH: 440
; TYPE: PRT
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; ORGANISM: Human
US-09-949-016-8606

Query Match
  48.3%; Score 1354; DB 4; Length 440;
Best Local Similarity 60.0%; Pred. No. 8.4e-138;
Matches 260; Conservative 63; Mismatches 98; Indels 12; Gaps 5;

Qy 9 VFLLQLFC-VGCGFCGKLVWPCDMSHNLNVKLVILEELIVRGHEVTVLTSHKPSLIDYR 67
Db 11 VFLLQLSCVSSGCGKLVWVPTESHWINMKTLIELVQRGHEVTVLTSSASTLVNAS 70

Qy 68 KPSALKEVVMFPQDRTEENEIFVDLALNVLP-----GLST---WQSVIKLNDFFVEIRGT 120
Db 71 KSSAIKLEV--YPTSLTK--NYLEDSLLKILDRWIYGVSKNTFWSYFSQELCWEYDY 126

Qy 121 LKWCESFIYNOTLMKKLQSTNYDVMILDPVPCGDLMAELLAVPFFVLTIRISVGGNMER 180
Db 127 SNKLCDAVLNKKLMKLOESKFDVILADALNPGCELLAELEFNIPFLYSRFSVGYTFEK 186

Qy 181 SCCKLPAPLSYVPVPMTGLTDRMTFLERVKNSMLSVLFHFWDYDYHFWEEFYSKALGR 240
Db 187 NGGGLFPSPSYVPMVSELSQDQIFMERIKNMTHMLYDFWFOIYDLKKWDQFVSEVLGR 246

Qy 241 PTTLCETVGKAEIWLIRTYWDFEPPQYQPNFVFVGLHCKPAKALPKEMENFVQSSGED 300
Db 247 PTTLFETMGKAEMLIRTYWDFEPPRPFPNVDFVGLHCKPAKPLPKEMEERFVQSSGEN 306

Qy 301 GIUVFSLGSLFONVTEBKANIISALAOIQKVLWRYGKPKSTLGANTRLYDWIPOND 360
Db 307 GIUVFSLGSMISNMBESANMIASALAOIQKVLWRFDPGKKPNTLGSNTRLYKWLQNDL 366

Qy 361 LGHPKTKAFITHGGMNGIYEAIVHGVPVGVPIFGDOLDNIAHMKAKGAAVEINFKTMTS 420
Db 367 LGHPKTKAFITHGGMNGIYEAIVHGIPVWGIPLFADQHDNIAHMKAKGALSVDIRTMS 426

Qy 421 EDLLRALRTVITD 433
Db 427 RDLNALKSVIND 439

RESULT 14
US-09-949-016-8607
; Sequence 8607, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8607
; LENGTH: 440
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8607

Query Match
  48.3%; Score 1354; DB 4; Length 440;
Best Local Similarity 60.0%; Pred. No. 8.4e-138;
Matches 260; Conservative 63; Mismatches 98; Indels 12; Gaps 5;

Qy 9 VFLLQLFC-VGCGFCGKLVWPCDMSHNLNVKLVILEELIVRGHEVTVLTSHKPSLIDYR 67
Db 11 VFLLQLSCVSSGCGKLVWVPTESHWINMKTLIELVQRGHEVTVLTSSASTLVNAS 70

Qy 68 KPSALKEVVMFPQDRTEENEIFVDLALNVLP-----GLST---WQSVIKLNDFFVEIRGT 120
Db 71 KSSAIKLEV--YPTSLTK--NYLEDSLLKILDRWIYGVSKNTFWSYFSQELCWEYDY 126

Qy 121 LKWCESFIYNOTLMKKLQSTNYDVMILDPVPCGDLMAELLAVPFFVLTIRISVGGNMER 180
Db 127 SNKLCDAVLNKKLMKLOESKFDVILADALNPGCELLAELEFNIPFLYSRFSVGYTFEK 186

Qy 181 SCCKLPAPLSYVPVPMTGLTDRMTFLERVKNSMLSVLFHFWDYDYHFWEEFYSKALGR 240
Db 187 NGGGLFPSPSYVPMVSELSQDQIFMERIKNMTHMLYDFWFOIYDLKKWDQFVSEVLGR 246

Qy 241 PTTLCETVGKAEIWLIRTYWDFEPPQYQPNFVFVGLHCKPAKALPKEMENFVQSSGED 300
Db 247 PTTLFETMGKAEMLIRTYWDFEPPRPFPNVDFVGLHCKPAKPLPKEMEERFVQSSGEN 306

Qy 301 GIUVFSLGSLFONVTEBKANIISALAOIQKVLWRYGKPKSTLGANTRLYDWIPOND 360
Db 307 GIUVFSLGSMISNMBESANMIASALAOIQKVLWRFDPGKKPNTLGSNTRLYKWLQNDL 366

Qy 361 LGHPKTKAFITHGGMNGIYEAIVHGVPVGVPIFGDOLDNIAHMKAKGAAVEINFKTMTS 420
Db 367 LGHPKTKAFITHGGMNGIYEAIVHGIPVWGIPLFADQHDNIAHMKAKGALSVDIRTMS 426

Qy 421 EDLLRALRTVITD 433
Db 427 RDLNALKSVIND 439

RESULT 15
US-09-813-918-3
; Sequence 3, Application US/09813918
; Patent No. 6383789
; GENERAL INFORMATION:
; APPLICANT: WEBSTER, Marion et al.
; TITLE OF INVENTION: ISOLATED HUMAN DRUG-METABOLIZING
; TITLE OF INVENTION: PROTEINS, NUCLEIC ACID MOLECULES ENCODING HUMAN
; TITLE OF INVENTION: DRUG-METABOLIZING PROTEINS,
; TITLE OF INVENTION: AND USES THEREOF
; FILE REFERENCE: CL001175
; CURRENT APPLICATION NUMBER: US/09/813,918
; CURRENT FILING DATE: 2001-03-22
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 288
; TYPE: PRT
; ORGANISM: Human
US-09-813-918-3

Query Match
  41.2%; Score 1155; DB 3; Length 288;
Best Local Similarity 73.6%; Pred. No. 1.7e-116;
Matches 212; Conservative 30; Mismatches 46; Indels 0; Gaps 0;

Qy 240 RPTTLCETVGKAEIWLIRTYWDFEPPQYQPNFVFVGLHCKPAKALPKEMENFVQSSGE 299
Db 1 RPTTLCETVGKAEIWLIRTYWDFEPPQYQPNFVFVGLHCKPAKALPKEMEERFVQSSGE 60

Qy 300 DGIWVFSLSLFPONVTEBKANIISALAOIQKVLWRYGKPKSTLGANTRLYDWIPOND 359
Db 61 NGVWVFSLSGVSINMTAERANVIATALAKIPQKVLWRFDPGKNKPDGLNTRLYKWIIPOND 120

Qy 360 LLGHPKTKAFITHGGMNGIYEAIVHGVPVGVPIFGDOLDNIAHMKAKGAAVEINFKTMT 419
Db 121 LLGHPKTRAFITHGGANGIYEAIVHGIPVWGIPLFFDQPDNIAHMKAKGAARLDFWTMS 180

Qy 420 SEDLLRALRTVITDSSYKENAMLSRIHDDQPKPLDRAVFWIEFVNRHKGAKHLSAAH 479
Db 181 STDLLNALXTVINDPLYKENIMKLSRIHQDQPKPLDRAVFWIEFVMPHKGAKHLRAAH 240

Qy 480 DLTWFOHYSIDVIGFLLTCVATAIFLTKCFLPSCOKFNKTRIEKRE 527
Db 241 DLTWFOHSLDVIGFLLACVATVIFITTKFCLPFCFWKFAKKGKGRD 288
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Search completed: April 5, 2005, 06:53:22
Job time : 30 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: April 5, 2005, 05:58:27 ; Search time 397 Seconds
(without alignments)
440.175 Million cell updates/sec

Title: US-09-784-340-2

Perfect score: 2802

Sequence: 1 MRSDKSALVFLLLQLFCVGC.....KCFLFSCQKFNKTRKIEKRE 527

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1413372 seqs, 331592847 residues

Total number of hits satisfying chosen parameters: 1413372

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB_PUB.pcp.*
- 2: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pcp.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB_PUB.pcp.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pcp.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB_PUB.pcp.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pcp.*
- 7: /cgn2_6/ptodata/2/pubpaa/US08_NEW_PUB_PUB.pcp.*
- 8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pcp.*
- 9: /cgn2_6/ptodata/2/pubpaa/US09A_PUBCOMB.pcp.*
- 10: /cgn2_6/ptodata/2/pubpaa/US09B_PUBCOMB.pcp.*
- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pcp.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB_PUB.pcp.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pcp.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pcp.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pcp.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pcp.*
- 17: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB_PUB.pcp.*
- 18: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB_PUB.pcp.*
- 19: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB_PUB.pcp.*
- 20: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pcp.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	2802	100.0	527 9	US-09-981-353-166
2	2802	100.0	527 13	US-10-052-586-522
3	2802	100.0	527 14	US-10-174-590-522
4	2802	100.0	527 14	US-10-176-758-522
5	2802	100.0	527 14	US-10-175-737-522
6	2802	100.0	527 14	US-10-174-581-522
7	2802	100.0	527 14	US-10-176-483-522
8	2802	100.0	527 14	US-10-176-749-522
9	2802	100.0	527 14	US-10-176-914-522
10	2802	100.0	527 14	US-10-176-915-522
11	2802	100.0	527 14	US-10-173-706-522
12	2802	100.0	527 14	US-10-175-738-522
13	2802	100.0	527 14	US-10-175-752-522

14	2802	100.0	527 14	US-10-176-482-522	Sequence 522, App
15	2802	100.0	527 14	US-10-176-757-522	Sequence 522, App
16	2802	100.0	527 14	US-10-176-913-522	Sequence 522, App
17	2802	100.0	527 14	US-10-180-552-522	Sequence 522, App
18	2802	100.0	527 14	US-10-180-557-522	Sequence 522, App
19	2802	100.0	527 14	US-10-173-700-522	Sequence 522, App
20	2802	100.0	527 14	US-10-174-572-522	Sequence 522, App
21	2802	100.0	527 14	US-10-174-579-522	Sequence 522, App
22	2802	100.0	527 14	US-10-174-582-522	Sequence 522, App
23	2802	100.0	527 14	US-10-174-588-522	Sequence 522, App
24	2802	100.0	527 14	US-10-175-739-522	Sequence 522, App
25	2802	100.0	527 14	US-10-175-740-522	Sequence 522, App
26	2802	100.0	527 14	US-10-175-743-522	Sequence 522, App
27	2802	100.0	527 14	US-10-176-488-522	Sequence 522, App
28	2802	100.0	527 14	US-10-176-492-522	Sequence 522, App
29	2802	100.0	527 14	US-10-176-747-522	Sequence 522, App
30	2802	100.0	527 14	US-10-176-750-522	Sequence 522, App
31	2802	100.0	527 14	US-10-176-985-522	Sequence 522, App
32	2802	100.0	527 14	US-10-176-987-522	Sequence 522, App
33	2802	100.0	527 14	US-10-176-992-522	Sequence 522, App
34	2802	100.0	527 14	US-10-176-993-522	Sequence 522, App
35	2802	100.0	527 14	US-10-184-658-522	Sequence 522, App
36	2802	100.0	527 14	US-10-176-991-522	Sequence 522, App
37	2802	100.0	527 14	US-10-173-695-522	Sequence 522, App
38	2802	100.0	527 14	US-10-173-697-522	Sequence 522, App
39	2802	100.0	527 14	US-10-173-705-522	Sequence 522, App
40	2802	100.0	527 14	US-10-174-576-522	Sequence 522, App
41	2802	100.0	527 14	US-10-174-585-522	Sequence 522, App
42	2802	100.0	527 14	US-10-174-586-522	Sequence 522, App
43	2802	100.0	527 14	US-10-175-747-522	Sequence 522, App
44	2802	100.0	527 14	US-10-176-481-522	Sequence 522, App
45	2802	100.0	527 14	US-10-176-485-522	Sequence 522, App

ALIGNMENTS

RESULT 1

US-09-981-353-166
; Sequence 166, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981.353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 166
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 2434655CD1
US-09-981-353-166

Query Match	100.0%;	Score 2802;	DB 9;	Length 527;
Best Local Similarity	100.0%;	Pred. No. 1.2e-272;		
Matches 527;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MRSDKSALVFLLLQLFCVGCFCGKVLWPCDMSHNLNVKVLBELIVRGHEVTLTHSK	60	
Db	1	MRSDKSALVFLLLQLFCVGCFCGKVLWPCDMSHNLNVKVLBELIVRGHEVTLTHSK	60	
Qy	61	PSLIDVRKPSALKEPVVHMPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT	120	
Db	61	PSLIDVRKPSALKEPVVHMPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT	120	
Qy	121	LKMWCSFYIQTLMKKLOETNYDVMLIDPVPICGDLMAELLAVPFLTLRIISVGGNMER	180	

Db 121 LKMCESFYINQTLMKKLOETNYDVMLIDPVICGDLMAELLAVPFLTLRISVGGNMR 180
QY 181 SCGKLPAPISYVPVMTGLTDRMTFLERVKNMSLVLFHFWIQDDYDHFWEFYSKALGR 240
Db 181 SCGKLPAPISYVPVMTGLTDRMTFLERVKNMSLVLFHFWIQDDYDHFWEFYSKALGR 240
QY 241 PTLTCTVGKAEIWLIRTYWDEFFPOYPQNFVGGGLHCKPAKALPKEMENFVQSSGD 300
Db 241 PTLTCTVGKAEIWLIRTYWDEFFPOYPQNFVGGGLHCKPAKALPKEMENFVQSSGD 300
QY 301 GIVVFSGLSFQNVTEBEKANIISALAAQIPQVLMRYKPKSTLGANTRLYDWPQNDL 360
Db 301 GIVVFSGLSFQNVTEBEKANIISALAAQIPQVLMRYKPKSTLGANTRLYDWPQNDL 360
QY 361 LGHPKTKATITGGMNGIYEALYHGVPMGVPIEGDOLDNIAHMKAKGAVINCKTMTS 420
Db 361 LGHPKTKATITGGMNGIYEALYHGVPMGVPIEGDOLDNIAHMKAKGAVINCKTMTS 420
QY 421 EDLLRALRVTITDSSYKENAMRLSRIHHDPQVPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
Db 421 EDLLRALRVTITDSSYKENAMRLSRIHHDPQVPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
QY 481 LWFQHSYIDVTGLTCTVATAIFLTKCFLFSCQKFNKTRKIEKRE 527
Db 481 LWFQHSYIDVTGLTCTVATAIFLTKCFLFSCQKFNKTRKIEKRE 527

RESULT 2
US-10-052-586-522
; Sequence 522, Application US/10052586
; Publication No. US20020127584A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/052,586
; CURRENT FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063734
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063870
; PRIOR FILING DATE: 1997-10-31
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; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066120
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; PRIOR APPLICATION NUMBER: 60/066466
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; PRIOR APPLICATION NUMBER: 60/066772
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; PRIOR APPLICATION NUMBER: 60/069335
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; PRIOR FILING DATE: 1997-12-18
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; PRIOR FILING DATE: 1998-03-20
; PRIOR APPLICATION NUMBER: 60/079664
; PRIOR FILING DATE: 1998-03-27
; PRIOR APPLICATION NUMBER: 60/079786
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; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088863
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512

; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089908

Query Match 100.0%; Score 2802; DB 13; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRSDKSALVFLLQLFCVCGCGKVLVWPCDMSHVLNVKVLLEELVIRGHEVTVLTHSK 60
Db 1 MRSDKSALVFLLQLFCVCGCGKVLVWPCDMSHVLNVKVLLEELVIRGHEVTVLTHSK 60

Qy 61 PSLIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
Db 61 PSLIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120

Qy 121 LKWCESFIYNQTLMKKLQETNYDVMLIDPVI PCGDLMAELLA VPFVLTIRISVGGNMR 180
Db 121 LKWCESFIYNQTLMKKLQETNYDVMLIDPVI PCGDLMAELLA VPFVLTIRISVGGNMR 180

Qy 181 SCGKLPAPLSYVPVPMTGLTDRMTFLERVKNLSVLVLFHFWIQDYDHFWEFYSKALGR 240
Db 181 SCGKLPAPLSYVPVPMTGLTDRMTFLERVKNLSVLVLFHFWIQDYDHFWEFYSKALGR 240

Qy 241 PTLTCEVTKAEIWLIRTYWDFPFPQYPQNFVFVGLHCKPAKALPKEMENFVQSSGED 300
Db 241 PTLTCEVTKAEIWLIRTYWDFPFPQYPQNFVFVGLHCKPAKALPKEMENFVQSSGED 300

Qy 301 GIVVFSLSGLFQNVTEBKANIISALAQIPQKVLWRVYKGGKPPSTLGANTRYDIMPQNDL 360
Db 301 GIVVFSLSGLFQNVTEBKANIISALAQIPQKVLWRVYKGGKPPSTLGANTRYDIMPQNDL 360

Qy 361 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGPVIFGDDLDNIAHMKAGAAVEINFKMTWS 420
Db 361 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGPVIFGDDLDNIAHMKAGAAVEINFKMTWS 420

Qy 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPVKPLDRAVFWIEFVMRHKGAKHLRSAHD 480
Db 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPVKPLDRAVFWIEFVMRHKGAKHLRSAHD 480

Qy 481 LTFWQHYSIDVIGFLTLCVATAIFLFTKCFLFCQKFNKTRKIEKRE 527
Db 481 LTFWQHYSIDVIGFLTLCVATAIFLFTKCFLFCQKFNKTRKIEKRE 527

RESULT 3

US-10-174-590-522
; Sequence 522, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42
; CURRENT FILING DATE: 2002-06-18

; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 522
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-174-590-522

Query Match 100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRSKSKALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTHSK 60
DB 1 MRSKSKALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTHSK 60
QY 61 PSIDYRKPSALKFEVHMPQDRTENEIFVDLALNVLPGSLTWSQSVIKLNDFFVEIRGT 120
DB 61 PSIDYRKPSALKFEVHMPQDRTENEIFVDLALNVLPGSLTWSQSVIKLNDFFVEIRGT 120
QY 121 LKMMCSFYNTQTLMKKLOETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
DB 121 LKMMCSFYNTQTLMKKLOETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
QY 181 SCGLPAPLSYVPVPMVMTGLTDRMTFLERVKNMLSVLFHFWDYDHFWEFYSKALGR 240
DB 181 SCGLPAPLSYVPVPMVMTGLTDRMTFLERVKNMLSVLFHFWDYDHFWEFYSKALGR 240
QY 241 PTLTCTGVKAEIWLIRTYWDFEFPQYQPNFEFVGGHCKPAKALPKEMENFVQSSGD 300
DB 241 PTLTCTGVKAEIWLIRTYWDFEFPQYQPNFEFVGGHCKPAKALPKEMENFVQSSGD 300
QY 301 GIWVFSLSGLFQNVTEBEKANIISALAAQIPQKVLWRYKGGKPSSTLGANTRLYDWIPQNDL 360
DB 301 GIWVFSLSGLFQNVTEBEKANIISALAAQIPQKVLWRYKGGKPSSTLGANTRLYDWIPQNDL 360
QY 361 LGHPKTKAFITGGMNGIYEALYHGVPMGVPIFGDQDNIAMKAKAAVEINFKTMTS 420
DB 361 LGHPKTKAFITGGMNGIYEALYHGVPMGVPIFGDQDNIAMKAKAAVEINFKTMTS 420
QY 421 EDLLRALRVTITDSSYKENAMLSRIHHDQPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
DB 421 EDLLRALRVTITDSSYKENAMLSRIHHDQPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
QY 481 LTMFQHSYSDIVIGLLTCTVATAIFLTKCFLFSCQKFNKTRKIEKE 527
DB 481 LTMFQHSYSDIVIGLLTCTVATAIFLTKCFLFSCQKFNKTRKIEKE 527

RESULT 4

US-10-176-758-522
; Sequence 522, Application US/10176758
; Publication No. US2003008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 522

; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-758-522

Query Match 100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRSKSKALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTHSK 60
DB 1 MRSKSKALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTHSK 60
QY 61 PSIDYRKPSALKFEVHMPQDRTENEIFVDLALNVLPGSLTWSQSVIKLNDFFVEIRGT 120
DB 61 PSIDYRKPSALKFEVHMPQDRTENEIFVDLALNVLPGSLTWSQSVIKLNDFFVEIRGT 120
QY 121 LKMMCSFYNTQTLMKKLOETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
DB 121 LKMMCSFYNTQTLMKKLOETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
QY 181 SCGLPAPLSYVPVPMVMTGLTDRMTFLERVKNMLSVLFHFWDYDHFWEFYSKALGR 240
DB 181 SCGLPAPLSYVPVPMVMTGLTDRMTFLERVKNMLSVLFHFWDYDHFWEFYSKALGR 240
QY 241 PTLTCTGVKAEIWLIRTYWDFEFPQYQPNFEFVGGHCKPAKALPKEMENFVQSSGD 300
DB 241 PTLTCTGVKAEIWLIRTYWDFEFPQYQPNFEFVGGHCKPAKALPKEMENFVQSSGD 300
QY 301 GIWVFSLSGLFQNVTEBEKANIISALAAQIPQKVLWRYKGGKPSSTLGANTRLYDWIPQNDL 360
DB 301 GIWVFSLSGLFQNVTEBEKANIISALAAQIPQKVLWRYKGGKPSSTLGANTRLYDWIPQNDL 360
QY 361 LGHPKTKAFITGGMNGIYEALYHGVPMGVPIFGDQDNIAMKAKAAVEINFKTMTS 420
DB 361 LGHPKTKAFITGGMNGIYEALYHGVPMGVPIFGDQDNIAMKAKAAVEINFKTMTS 420
QY 421 EDLLRALRVTITDSSYKENAMLSRIHHDQPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
DB 421 EDLLRALRVTITDSSYKENAMLSRIHHDQPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
QY 481 LTMFQHSYSDIVIGLLTCTVATAIFLTKCFLFSCQKFNKTRKIEKE 527
DB 481 LTMFQHSYSDIVIGLLTCTVATAIFLTKCFLFSCQKFNKTRKIEKE 527

RESULT 5

US-10-175-737-522
; Sequence 522, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 522
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien

US-10-175-737-522

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Query Match      100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRSKSAIVLFLQLFCVGGCGCKVLWPCDSHNLNVKVLIELVIRGHEVTLVTHSK 60
Db 1 MRSKSAIVLFLQLFCVGGCGCKVLWPCDSHNLNVKVLIELVIRGHEVTLVTHSK 60

Qy 61 PSLIDYKPSALKPEVVMQDRTEENEIFVDIALNLVPLGLSTWQSVIKLNDPVEIRGT 120
Db 61 PSLIDYKPSALKPEVVMQDRTEENEIFVDIALNLVPLGLSTWQSVIKLNDPVEIRGT 120

Qy 121 LKWCESFIYNTLMKKLQETNYDMLIDPVPICGDLMAELLAVPFLTLRISVGGNMR 180
Db 121 LKWCESFIYNTLMKKLQETNYDMLIDPVPICGDLMAELLAVPFLTLRISVGGNMR 180

Qy 181 SCGLPAPLSVVPMTGLTDRMTFLERVKNMSLVLFHWIQDYDHFWEFYSKALGR 240
Db 181 SCGLPAPLSVVPMTGLTDRMTFLERVKNMSLVLFHWIQDYDHFWEFYSKALGR 240

Qy 241 PTLTCEVGAKEIWLIRTYWDFRPPQVQPNFVGGHCKPAKALPKMENFVQSSGD 300
Db 241 PTLTCEVGAKEIWLIRTYWDFRPPQVQPNFVGGHCKPAKALPKMENFVQSSGD 300

Qy 301 GIVVFSLSGFQNVTESEKANIISALAQIPQKVLWRYKGGKPSLGTANTRLYDWIPQNDL 360
Db 301 GIVVFSLSGFQNVTESEKANIISALAQIPQKVLWRYKGGKPSLGTANTRLYDWIPQNDL 360

Qy 361 LGHPKTKAFITGGMNGIYBAIYHGVPMVGPVIFGDQDNIAMKAGAAVEINFKTMTS 420
Db 361 LGHPKTKAFITGGMNGIYBAIYHGVPMVGPVIFGDQDNIAMKAGAAVEINFKTMTS 420

Qy 421 EDLLRALRTWITDSSYKENAMRLSRIHDDQPKLDRAPVWIEFVPMHKGAKHLRSAHD 480
Db 421 EDLLRALRTWITDSSYKENAMRLSRIHDDQPKLDRAPVWIEFVPMHKGAKHLRSAHD 480

Qy 481 LTFWQHSIDVIGFLLCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527
Db 481 LTFWQHSIDVIGFLLCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527

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RESULT 6

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US-10-174-581-522
Sequence 522, Application US/10174581
Publication No. US20030017540A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C41
CURRENT APPLICATION NUMBER: US/10/174, 581
CURRENT FILING DATE: 2002-06-18
PRIOR APPLICATION NUMBER: 10/052586
PRIOR FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063120

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; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063734
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063870
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066120
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/066466
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066772
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/069335
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069425
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; PRIOR APPLICATION NUMBER: 60/069870
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; PRIOR APPLICATION NUMBER: 60/068017
; PRIOR FILING DATE: 1997-12-18
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; PRIOR APPLICATION NUMBER: 60/079664
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; PRIOR APPLICATION NUMBER: 60/079786
; PRIOR FILING DATE: 1998-03-27
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; PRIOR FILING DATE: 1998-04-01
; PRIOR APPLICATION NUMBER: 60/081049
; PRIOR FILING DATE: 1998-04-08
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; PRIOR FILING DATE: 1998-04-08
; PRIOR APPLICATION NUMBER: 60/081195
; PRIOR FILING DATE: 1998-04-09
; PRIOR APPLICATION NUMBER: 60/081838
; PRIOR FILING DATE: 1998-04-15
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; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082569
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 60/082704
; PRIOR FILING DATE: 1998-04-22
; PRIOR APPLICATION NUMBER: 60/082797
; PRIOR FILING DATE: 1998-04-22

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; PRIOR APPLICATION NUMBER: 60/083322
; PRIOR FILING DATE: 1998-04-28
; PRIOR APPLICATION NUMBER: 60/083495
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083496
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083499
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/083559
; PRIOR FILING DATE: 1998-04-29
; PRIOR APPLICATION NUMBER: 60/084366
; PRIOR FILING DATE: 1998-05-05
; PRIOR APPLICATION NUMBER: 60/084414
; PRIOR FILING DATE: 1998-05-06
; PRIOR APPLICATION NUMBER: 60/084639
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084640
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/084643
; PRIOR FILING DATE: 1998-05-07
; PRIOR APPLICATION NUMBER: 60/085573
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085579
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085580
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086023
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/086486
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/087098
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087208
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
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; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
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; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088722
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; PRIOR APPLICATION NUMBER: 60/088738
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; PRIOR APPLICATION NUMBER: 60/088740
; PRIOR FILING DATE: 1998-06-10
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; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088825
; PRIOR FILING DATE: 1998-06-10
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; PRIOR APPLICATION NUMBER: 60/088861
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; PRIOR APPLICATION NUMBER: 60/088863
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; PRIOR APPLICATION NUMBER: 60/088876
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; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653

Query Match 100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MRSKSAVFLLLQLFCVCGCGKVIWPCDMSHWNKVILEELIVRGHEVTLTHSK 60
Db 1 MRSKSAVFLLLQLFCVCGCGKVIWPCDMSHWNKVILEELIVRGHEVTLTHSK 60
Qy 61 PSLIDYRKPSALKFEVHMPQDRTEENEIFVDLALNVLPGLSVTKNDFFVEIRGT 120
Db 61 PSLIDYRKPSALKFEVHMPQDRTEENEIFVDLALNVLPGLSVTKNDFFVEIRGT 120
Qy 121 LKMMCESFYNQTLMKKLOETNYDVMIDPVPICGDLMAELLAVPFLVTLRISVGNMER 180
Db 121 LKMMCESFYNQTLMKKLOETNYDVMIDPVPICGDLMAELLAVPFLVTLRISVGNMER 180
Qy 181 SCGLPAPLSYVPVPMTCGLTDRMTFLERVKNMSLSVLFHFWTQDYDHFHWFYFYSKALGR 240
Db 181 SCGLPAPLSYVPVPMTCGLTDRMTFLERVKNMSLSVLFHFWTQDYDHFHWFYFYSKALGR 240
Qy 241 PTLTCTGVKAEIWLIRTYWDFEPFPQYQPNFVFGGLHCKPAKALPKEMENFVQSSGED 300
Db 241 PTLTCTGVKAEIWLIRTYWDFEPFPQYQPNFVFGGLHCKPAKALPKEMENFVQSSGED 300
Qy 301 GIVVFSLSGLFQNVTEKANIIASALAOIPQKVLWRYGKPKSTLGANTRLYDWTIPQNDL 360
Db 301 GIVVFSLSGLFQNVTEKANIIASALAOIPQKVLWRYGKPKSTLGANTRLYDWTIPQNDL 360
Qy 361 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGPVIFGQDLNIAHMKAKGAAGVINEKMTWS 420
Db 361 LGHPKTKAFITHGGMNGIYEAIYHGVPMVGPVIFGQDLNIAHMKAKGAAGVINEKMTWS 420
Qy 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPKVPLDRAVFWIEFVWRHKGAKHLASAHD 480
Db 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPKVPLDRAVFWIEFVWRHKGAKHLASAHD 480
Qy 481 LTWFQHSIDVIGFLLLTCVATAIFLTKCFIFSCQKFNKTRKIEKE 527
Db 481 LTWFQHSIDVIGFLLLTCVATAIFLTKCFIFSCQKFNKTRKIEKE 527

RESULT 7
US-10-176-483-522
; Sequence 522, Application US/10176483
; Publication No. US20030017541A1
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Goddard, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C68
; CURRENT APPLICATION NUMBER: US/10/176,483
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 522
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-483-522

Query Match 100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRSDKSALVFLLLQLFCVCGCGFCGKVLVWPCDMSHNLNVKLVLELIVRGHEVTVLTHSK 60
Db 1 MRSDKSALVFLLLQLFCVCGCGFCGKVLVWPCDMSHNLNVKLVLELIVRGHEVTVLTHSK 60
Qy 61 PSIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
Db 61 PSIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
Qy 121 LKMMCESFIYNTLMKKLQETNYDVMILDPVPCGDLMAELLAVPFLTLRISVGGNNR 180
Db 121 LKMMCESFIYNTLMKKLQETNYDVMILDPVPCGDLMAELLAVPFLTLRISVGGNNR 180
Qy 181 SCGKLAPLSVVPVPMGLTDRMTFLERVKNMSLSVLFHFWIQDYDHFWEFYSKALGR 240
Db 181 SCGKLAPLSVVPVPMGLTDRMTFLERVKNMSLSVLFHFWIQDYDHFWEFYSKALGR 240
Qy 241 PTLTCEVTKAEIWLIRTYWDFEPFPQPNFEPVGGHLCKPAKALPKEMENFVQSSGD 300
Db 241 PTLTCEVTKAEIWLIRTYWDFEPFPQPNFEPVGGHLCKPAKALPKEMENFVQSSGD 300
Qy 301 GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWPQNDL 360
Db 301 GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWPQNDL 360
Qy 361 LGHPKTKAFITHTGGMNGIYEAIYHGVPMVGPVIFGDQDNIHAKKAGAAVEINFKTMTS 420
Db 361 LGHPKTKAFITHTGGMNGIYEAIYHGVPMVGPVIFGDQDNIHAKKAGAAVEINFKTMTS 420
Qy 421 EDLLRALRTVITDSSYKENAMRLRIHHDQVVKPLDRAVFWIEFVPMRHKGAKHLRSAHD 480
Db 421 EDLLRALRTVITDSSYKENAMRLRIHHDQVVKPLDRAVFWIEFVPMRHKGAKHLRSAHD 480
Qy 481 LTWFQHSYDIDVIGFLTCVATAIFLFTKCFLFSCQKFNKTRKIEKRE 527
Db 481 LTWFQHSYDIDVIGFLTCVATAIFLFTKCFLFSCQKFNKTRKIEKRE 527

RESULT 8
US-10-176-483-522
; Sequence 522, Application US/10176749
; Publication No. US20030017542A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C76
; CURRENT APPLICATION NUMBER: US/10/176,749
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 522
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-749-522

Query Match 100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MRSDKSALVFLLLQLFCVCGCGFCGKVLVWPCDMSHNLNVKLVLELIVRGHEVTVLTHSK 60
Db 1 MRSDKSALVFLLLQLFCVCGCGFCGKVLVWPCDMSHNLNVKLVLELIVRGHEVTVLTHSK 60
Qy 61 PSIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
Db 61 PSIDYRKPSALKFEVVMHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
Qy 121 LKMMCESFIYNTLMKKLQETNYDVMILDPVPCGDLMAELLAVPFLTLRISVGGNNR 180
Db 121 LKMMCESFIYNTLMKKLQETNYDVMILDPVPCGDLMAELLAVPFLTLRISVGGNNR 180
Qy 181 SCGKLAPLSVVPVPMGLTDRMTFLERVKNMSLSVLFHFWIQDYDHFWEFYSKALGR 240
Db 181 SCGKLAPLSVVPVPMGLTDRMTFLERVKNMSLSVLFHFWIQDYDHFWEFYSKALGR 240
Qy 241 PTLTCEVTKAEIWLIRTYWDFEPFPQPNFEPVGGHLCKPAKALPKEMENFVQSSGD 300
Db 241 PTLTCEVTKAEIWLIRTYWDFEPFPQPNFEPVGGHLCKPAKALPKEMENFVQSSGD 300
Qy 301 GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWPQNDL 360
Db 301 GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWPQNDL 360
Qy 361 LGHPKTKAFITHTGGMNGIYEAIYHGVPMVGPVIFGDQDNIHAKKAGAAVEINFKTMTS 420
Db 361 LGHPKTKAFITHTGGMNGIYEAIYHGVPMVGPVIFGDQDNIHAKKAGAAVEINFKTMTS 420
Qy 421 EDLLRALRTVITDSSYKENAMRLRIHHDQVVKPLDRAVFWIEFVPMRHKGAKHLRSAHD 480
Db 421 EDLLRALRTVITDSSYKENAMRLRIHHDQVVKPLDRAVFWIEFVPMRHKGAKHLRSAHD 480
Qy 481 LTWFQHSYDIDVIGFLTCVATAIFLFTKCFLFSCQKFNKTRKIEKRE 527
Db 481 LTWFQHSYDIDVIGFLTCVATAIFLFTKCFLFSCQKFNKTRKIEKRE 527

RESULT 9
US-10-176-914-522
; Sequence 522, Application US/10176914
; Publication No. US20030017543A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.

APPLICANT: Pan,James
APPLICANT: Smith,Victoria
APPLICANT: Watanabe,Colin K.
APPLICANT: Wood,William I.
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C83
CURRENT FILING DATE: 2002-06-20
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 522
LENGTH: 527
TYPE: PRT
ORGANISM: Homo Sapien
US-10-176-914-522

Query Match 100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRSDKSALVFLLLQLFCVCGCGKVLVWPCDMSHMLNVKVLLEELIVRGHEVTVLTHSK 60
DB 1 MRSDKSALVFLLLQLFCVCGCGKVLVWPCDMSHMLNVKVLLEELIVRGHEVTVLTHSK 60
QY 61 PSLLIDYRPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
DB 61 PSLLIDYRPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
QY 121 LKMWCEFIYNTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPVLTLRISVGNMNER 180
DB 121 LKMWCEFIYNTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPVLTLRISVGNMNER 180
QY 181 SCGKLPAPLSYVPVPMTGITDRMTFLERVKNSMLSVLFHFWIQDYDYHFWEEFYSKALGR 240
DB 181 SCGKLPAPLSYVPVPMTGITDRMTFLERVKNSMLSVLFHFWIQDYDYHFWEEFYSKALGR 240
QY 241 PTTLCETVGAELIWLIRTYWDFEFPQYQPNPFEFVGGHLCKPAKALPKEMENFVQSSGD 300
DB 241 PTTLCETVGAELIWLIRTYWDFEFPQYQPNPFEFVGGHLCKPAKALPKEMENFVQSSGD 300
QY 301 GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYGKPKSTLGTANTRLYDWPNDL 360
DB 301 GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYGKPKSTLGTANTRLYDWPNDL 360
QY 361 LGHPKTKAFITHGGWNGIYEALYHGVPMVGVPIFGDQDNIAMKAKGAAVEINFKTWTS 420
DB 361 LGHPKTKAFITHGGWNGIYEALYHGVPMVGVPIFGDQDNIAMKAKGAAVEINFKTWTS 420
QY 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVWRHKGAKHLRSAHD 480
DB 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVWRHKGAKHLRSAHD 480
QY 481 LTFWFQHSIDVIGFLTTCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527
DB 481 LTFWFQHSIDVIGFLTTCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527

RESULT 10
US-10-176-914-522
Sequence 522, Application US/10176915
Publication No. US20030017544A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

APPLICANT: Wood,William I.
APPLICANT: Zhang,Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C110
CURRENT FILING DATE: 2002-06-21
Prior Application removed - See File Wrapper or Palm
NUMBER OF SEQ ID NOS: 612
SEQ ID NO 522
LENGTH: 527
TYPE: PRT
ORGANISM: Homo Sapien
US-10-176-915-522

Query Match 100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRSDKSALVFLLLQLFCVCGCGKVLVWPCDMSHMLNVKVLLEELIVRGHEVTVLTHSK 60
DB 1 MRSDKSALVFLLLQLFCVCGCGKVLVWPCDMSHMLNVKVLLEELIVRGHEVTVLTHSK 60
QY 61 PSLLIDYRPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
DB 61 PSLLIDYRPSALKFEVWHPQDRTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
QY 121 LKMWCEFIYNTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPVLTLRISVGNMNER 180
DB 121 LKMWCEFIYNTLMKKLQETNYDVMLIDPVI PCGDLMAELLAVPVLTLRISVGNMNER 180
QY 181 SCGKLPAPLSYVPVPMTGITDRMTFLERVKNSMLSVLFHFWIQDYDYHFWEEFYSKALGR 240
DB 181 SCGKLPAPLSYVPVPMTGITDRMTFLERVKNSMLSVLFHFWIQDYDYHFWEEFYSKALGR 240
QY 241 PTTLCETVGAELIWLIRTYWDFEFPQYQPNPFEFVGGHLCKPAKALPKEMENFVQSSGD 300
DB 241 PTTLCETVGAELIWLIRTYWDFEFPQYQPNPFEFVGGHLCKPAKALPKEMENFVQSSGD 300
QY 301 GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYGKPKSTLGTANTRLYDWPNDL 360
DB 301 GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYGKPKSTLGTANTRLYDWPNDL 360
QY 361 LGHPKTKAFITHGGWNGIYEALYHGVPMVGVPIFGDQDNIAMKAKGAAVEINFKTWTS 420
DB 361 LGHPKTKAFITHGGWNGIYEALYHGVPMVGVPIFGDQDNIAMKAKGAAVEINFKTWTS 420
QY 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVWRHKGAKHLRSAHD 480
DB 421 EDLLRALRTVITDSSYKENAMRLSRIHHDQPKPLDRAVFWIEFVWRHKGAKHLRSAHD 480
QY 481 LTFWFQHSIDVIGFLTTCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527
DB 481 LTFWFQHSIDVIGFLTTCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527

RESULT 11
US-10-173-706-522
Sequence 522, Application US/10173706
Publication No. US2003002293A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

```
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 522
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-706-522

Query Match      100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  1 MRSKSAVLFLLQLFCVCGCGCKVLVWPCDMSHMLNVKVLBELVIRGHEVTVLTHSK 60
Db  1 MRSKSAVLFLLQLFCVCGCGCKVLVWPCDMSHMLNVKVLBELVIRGHEVTVLTHSK 60

Qy  61 PSLIDYRKPSALKFEVVMHPQDRTTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
Db  61 PSLIDYRKPSALKFEVVMHPQDRTTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120

Qy  121 LKMCESFIYNOTLKKLQETNYDVMILDPVPCGDLMAELLAVPFVLTLRISVGGNNER 180
Db  121 LKMCESFIYNOTLKKLQETNYDVMILDPVPCGDLMAELLAVPFVLTLRISVGGNNER 180

Qy  181 SCGKLPAPLSVVPVPMGLTDRMTFLERVKNSMLSVLFHFHFIQDYDYHFWEFYSKALGR 240
Db  181 SCGKLPAPLSVVPVPMGLTDRMTFLERVKNSMLSVLFHFHFIQDYDYHFWEFYSKALGR 240

Qy  241 PTTLCETVGKAEIWLIRTYWDFEPPOYPQPNFEPVGGHLCKPAKALPKEMENFVQSSGD 300
Db  241 PTTLCETVGKAEIWLIRTYWDFEPPOYPQPNFEPVGGHLCKPAKALPKEMENFVQSSGD 300

Qy  301 GIVVFSLSGLSFQNTVEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWPQNDL 360
Db  301 GIVVFSLSGLSFQNTVEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWPQNDL 360

Qy  361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGPVIFGDQDNLNIAHMKAGAAVEINFKTMTS 420
Db  361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGPVIFGDQDNLNIAHMKAGAAVEINFKTMTS 420

Qy  421 EDLLRALRTVITDSSYKENAMRLSRIHHDQVPKPLDRAVFWIEFVMRHKGAKHLRSAHD 480
Db  421 EDLLRALRTVITDSSYKENAMRLSRIHHDQVPKPLDRAVFWIEFVMRHKGAKHLRSAHD 480

Qy  481 LTFQHYSIDVIGFLLTCVATAIFLFTKCFLSCQKFNKTRKIEKRE 527
Db  481 LTFQHYSIDVIGFLLTCVATAIFLFTKCFLSCQKFNKTRKIEKRE 527
```

```
RESULT 12
US-10-175-738-522
; Sequence 522, Application US/10175738
; Publication No. US20030022294A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Deanoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C45
; CURRENT APPLICATION NUMBER: US/10/175,738
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
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; CURRENT FILING DATE: 2002-06-19
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 522
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-738-522

Query Match      100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy  1 MRSKSAVLFLLQLFCVCGCGCKVLVWPCDMSHMLNVKVLBELVIRGHEVTVLTHSK 60
Db  1 MRSKSAVLFLLQLFCVCGCGCKVLVWPCDMSHMLNVKVLBELVIRGHEVTVLTHSK 60

Qy  61 PSLIDYRKPSALKFEVVMHPQDRTTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120
Db  61 PSLIDYRKPSALKFEVVMHPQDRTTEENEIFVDLALNVLPGLSTWQSVIKLNDFFVEIRGT 120

Qy  121 LKMCESFIYNOTLKKLQETNYDVMILDPVPCGDLMAELLAVPFVLTLRISVGGNNER 180
Db  121 LKMCESFIYNOTLKKLQETNYDVMILDPVPCGDLMAELLAVPFVLTLRISVGGNNER 180

Qy  181 SCGKLPAPLSVVPVPMGLTDRMTFLERVKNSMLSVLFHFHFIQDYDYHFWEFYSKALGR 240
Db  181 SCGKLPAPLSVVPVPMGLTDRMTFLERVKNSMLSVLFHFHFIQDYDYHFWEFYSKALGR 240

Qy  241 PTTLCETVGKAEIWLIRTYWDFEPPOYPQPNFEPVGGHLCKPAKALPKEMENFVQSSGD 300
Db  241 PTTLCETVGKAEIWLIRTYWDFEPPOYPQPNFEPVGGHLCKPAKALPKEMENFVQSSGD 300

Qy  301 GIVVFSLSGLSFQNTVEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWPQNDL 360
Db  301 GIVVFSLSGLSFQNTVEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRYDWPQNDL 360

Qy  361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGPVIFGDQDNLNIAHMKAGAAVEINFKTMTS 420
Db  361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGPVIFGDQDNLNIAHMKAGAAVEINFKTMTS 420

Qy  421 EDLLRALRTVITDSSYKENAMRLSRIHHDQVPKPLDRAVFWIEFVMRHKGAKHLRSAHD 480
Db  421 EDLLRALRTVITDSSYKENAMRLSRIHHDQVPKPLDRAVFWIEFVMRHKGAKHLRSAHD 480

Qy  481 LTFQHYSIDVIGFLLTCVATAIFLFTKCFLSCQKFNKTRKIEKRE 527
Db  481 LTFQHYSIDVIGFLLTCVATAIFLFTKCFLSCQKFNKTRKIEKRE 527
```

```
RESULT 13
US-10-175-752-522
; Sequence 522, Application US/10175752
; Publication No. US20030022295A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Deanoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C60
; CURRENT APPLICATION NUMBER: US/10/175,752
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
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; SEQ ID NO 522
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-752-522

Query Match      100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRSKDSALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTTHSK 60
DB 1 MRSKDSALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTTHSK 60
QY 61 PSLLIDYRKPSALKFEVWHMPQDRTEENEIFVDLALNVLPGSLTWQSVIKLNDFFVBEIRGT 120
DB 61 PSLLIDYRKPSALKFEVWHMPQDRTEENEIFVDLALNVLPGSLTWQSVIKLNDFFVBEIRGT 120
QY 121 LKQMCESFYNTQTLMKKLQETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
DB 121 LKQMCESFYNTQTLMKKLQETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
QY 181 SCGKLPAPLSYVPVPMTGLTDRMTFLERVKNMSLSVLFHFWIQDYDHFWEBSFYSKALGR 240
DB 181 SCGKLPAPLSYVPVPMTGLTDRMTFLERVKNMSLSVLFHFWIQDYDHFWEBSFYSKALGR 240
QY 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNFVGGHLCKPAKALPKEMENFVQSSGD 300
DB 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNFVGGHLCKPAKALPKEMENFVQSSGD 300
QY 301 GIWVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYKGGKPKSTLGANTRLYDWIPQNDL 360
DB 301 GIWVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYKGGKPKSTLGANTRLYDWIPQNDL 360
QY 361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGVPIFGDQDNI AHMKAKGA AAVEINFKTMTS 420
DB 361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGVPIFGDQDNI AHMKAKGA AAVEINFKTMTS 420
QY 421 EDLLRALRTVITDSSYKENAMLSRIHHDQPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
DB 421 EDLLRALRTVITDSSYKENAMLSRIHHDQPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
QY 481 LTWFQHSYDIDVIGFLTTCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527
DB 481 LTWFQHSYDIDVIGFLTTCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527

RESULT 14
US-10-176-482-522
; Sequence 522, Application US/10176482
; Publication No. US2003002296A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C70
; CURRENT APPLICATION NUMBER: US/10/176, 482
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-482-522

; ORGANISM: Homo Sapien
US-10-176-482-522

Query Match      100.0%; Score 2802; DB 14; Length 527;
Best Local Similarity 100.0%; Pred. No. 1.2e-272;
Matches 527; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRSKDSALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTTHSK 60
DB 1 MRSKDSALVFLLLQLFCVCGCGKVLVWPCDMSHLNKKVLEELIVRGHEVTVLTTHSK 60
QY 61 PSLLIDYRKPSALKFEVWHMPQDRTEENEIFVDLALNVLPGSLTWQSVIKLNDFFVBEIRGT 120
DB 61 PSLLIDYRKPSALKFEVWHMPQDRTEENEIFVDLALNVLPGSLTWQSVIKLNDFFVBEIRGT 120
QY 121 LKQMCESFYNTQTLMKKLQETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
DB 121 LKQMCESFYNTQTLMKKLQETNYDVMIDPVI PCGDLMAELLAVPVLTLRISVGGNMR 180
QY 181 SCGKLPAPLSYVPVPMTGLTDRMTFLERVKNMSLSVLFHFWIQDYDHFWEBSFYSKALGR 240
DB 181 SCGKLPAPLSYVPVPMTGLTDRMTFLERVKNMSLSVLFHFWIQDYDHFWEBSFYSKALGR 240
QY 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNFVGGHLCKPAKALPKEMENFVQSSGD 300
DB 241 PTTLCETVGKAEIWLIRTYWDFEFPQYQPNFVGGHLCKPAKALPKEMENFVQSSGD 300
QY 301 GIWVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYKGGKPKSTLGANTRLYDWIPQNDL 360
DB 301 GIWVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYKGGKPKSTLGANTRLYDWIPQNDL 360
QY 361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGVPIFGDQDNI AHMKAKGA AAVEINFKTMTS 420
DB 361 LGHPKTKAFITHGGMNGIYEALYHGVPMVGVPIFGDQDNI AHMKAKGA AAVEINFKTMTS 420
QY 421 EDLLRALRTVITDSSYKENAMLSRIHHDQPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
DB 421 EDLLRALRTVITDSSYKENAMLSRIHHDQPKPLDRAVFWIEFVNRHKGAKHLRSAHD 480
QY 481 LTWFQHSYDIDVIGFLTTCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527
DB 481 LTWFQHSYDIDVIGFLTTCVATAIFLTKCFLFSCQKFNKTRKIEKRE 527

RESULT 15
US-10-176-522-522
; Sequence 522, Application US/10176757
; Publication No. US2003002297A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C86
; CURRENT APPLICATION NUMBER: US/10/176, 757
; CURRENT FILING DATE: 2002-06-20
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 522
; LENGTH: 527
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-757-522
```

Query Match		100.0%;	Score 2802;	DB 14;	Length 527;
Best Local Similarity		100.0%;	Pred. No. 1.12e-272;		
Matches 527;		Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	1	MRSKSAVFLLLQLFCVCGCGCKVLVWPCDMSHNLNVKVIIEELIVRGHEVTLTHSK	60		
Db	1	MRSKSAVFLLLQLFCVCGCGCKVLVWPCDMSHNLNVKVIIEELIVRGHEVTLTHSK	60		
Qy	61	PSLIDYRKPSALKEFVVHMPQDRTEENEIFVDLALNVLPGLSTWQSVKLNDFPVEIRGT	120		
Db	61	PSLIDYRKPSALKEFVVHMPQDRTEENEIFVDLALNVLPGLSTWQSVKLNDFPVEIRGT	120		
Qy	121	LKMCEFSFYNQTLMKKLQETNYDVMLIDPVPICGDLMAELLAVPFVLTLRISVGGNMR	180		
Db	121	LKMCEFSFYNQTLMKKLQETNYDVMLIDPVPICGDLMAELLAVPFVLTLRISVGGNMR	180		
Qy	181	SCGKLPAPLSVVPVPMTGLTDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR	240		
Db	181	SCGKLPAPLSVVPVPMTGLTDRMTFLERVKNSMLSVLFHFWIQDYDHFWEFYSKALGR	240		
Qy	241	PTTLCETVKGAEIWLIRTYWDFEPFPQPNFEPVGGHLCKPAKALPKEMENFVQSSGED	300		
Db	241	PTTLCETVKGAEIWLIRTYWDFEPFPQPNFEPVGGHLCKPAKALPKEMENFVQSSGED	300		
Qy	301	GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRLYDWIPQNDL	360		
Db	301	GIVVFSLSGLFQNVTEEKANIIASALAQIPQKVLWRYGKKPSTLGANTRLYDWIPQNDL	360		
Qy	361	LGHPTKAFITHGGMGIYEAIYHGVPMVGVPIDQDQDNIHMKAGAAVEINFKTMTS	420		
Db	361	LGHPTKAFITHGGMGIYEAIYHGVPMVGVPIDQDQDNIHMKAGAAVEINFKTMTS	420		
Qy	421	EDLLRALRTVITDSSYKENAMRLSRIHHDQPVKPLDRAVFWIEFVMRHKGAKHLRSAHD	480		
Db	421	EDLLRALRTVITDSSYKENAMRLSRIHHDQPVKPLDRAVFWIEFVMRHKGAKHLRSAHD	480		
Qy	481	LTFQHYSIDVIGFLLTCVATAIFLTKCFLFSCQKFNKTRKIEKRE	527		
Db	481	LTFQHYSIDVIGFLLTCVATAIFLTKCFLFSCQKFNKTRKIEKRE	527		

Search completed: April 5, 2005, 07:24:53
Job time : 400 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 22:53:29 ; Search time 87.5309 Seconds
(without alignments)
9346.853 Million cell updates/sec

Title: us-09-784-340-3_COPY_1_500

Perfect score: 500

Sequence: 1 ttctagagggttggaacac.....gaatgtttgccaggttat 500

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents NA:*

- 1: /cgn2_6/ptodata/1/ina/5A.COMB.seq:*
- 2: /cgn2_6/ptodata/1/ina/5B.COMB.seq:*
- 3: /cgn2_6/ptodata/1/ina/6A.COMB.seq:*
- 4: /cgn2_6/ptodata/1/ina/6B.COMB.seq:*
- 5: /cgn2_6/ptodata/1/ina/PCTUS.COMB.seq:*
- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	392.6	78.5	1001	4	US-09-671-317-388
C 2	392.2	78.4	1001	4	US-09-671-317-389
C 3	333	66.6	2966	4	US-09-976-594-241
C 4	322.4	64.5	1001	4	US-09-671-317-390
C 5	145.8	29.2	1001	4	US-09-671-317-391
C 6	88	17.6	1323	4	US-09-356-806-1
C 7	88	17.6	1323	4	US-09-949-016-12870
C 8	88	17.6	19732	4	US-09-949-016-14923
C 9	88	17.6	19733	4	US-09-949-016-14336
C 10	84.2	16.8	1001	4	US-09-671-317-412
C 11	84.2	16.8	1323	4	US-09-949-016-2735
C 12	84.2	16.8	1323	4	US-09-949-016-2736
C 13	84.2	16.8	1976	4	US-09-356-806-112
C 14	84.2	16.8	2312	4	US-09-356-806-114
C 15	84.2	16.8	20599	4	US-09-949-016-14477
C 16	84.2	16.8	20599	4	US-09-949-016-14478
C 17	81.8	16.4	2092	4	US-09-356-806-7
C 18	81.8	16.4	2092	4	US-09-949-016-2594
C 19	81.8	16.4	2092	4	US-09-949-016-3181
C 20	81.8	16.4	2093	4	US-09-949-016-1128
C 21	79.6	15.9	2107	3	US-09-180-852-1
C 22	79	15.8	1686	4	US-09-356-806-41
C 23	79	15.8	1832	4	US-09-949-016-2734
C 24	79	15.8	1854	4	US-09-356-806-39
C 25	79	15.8	20441	4	US-09-949-016-14476
C 26	75.4	15.1	1413	3	US-09-813-918-1
C 27	75.4	15.1	1413	4	US-10-060-311-1

Sequence 403, App
Sequence 2596, Ap
Sequence 2595, Ap
Sequence 14338, A
Sequence 14337, A
Sequence 428, App
Sequence 133, App
Sequence 13978, A
Sequence 7, Appli
Sequence 313, App
Sequence 10, Appli
Sequence 9, Appli
Sequence 8, Appli
Sequence 3542, Ap
Sequence 3, Appli
Sequence 345, App
Sequence 2813, Ap
Sequence 16090, A

69.2 13.8 1001 4 US-09-671-317-403
69 13.8 1629 4 US-09-949-016-2596
69 13.8 1708 4 US-09-949-016-2595
69 13.8 18373 4 US-09-949-016-14338
69 13.8 18452 4 US-09-949-016-14337
64.6 12.9 1001 4 US-09-671-317-428
43.2 8.6 1726 3 US-08-467-023-133
40.6 8.1 236341 4 US-09-949-016-13978
40 8.0 867 4 US-09-305-856B-7
40 8.0 1001 4 US-09-671-317-313
40 8.0 1008 5 PCT-US92-00282-10
37.2 7.4 861 4 US-09-305-856B-9
37.2 7.4 1219 5 PCT-US92-00282-8
36.8 7.4 1953 4 US-09-543-681A-3542
42 36.4 7.3 867 4 US-09-305-856B-3
43 36.4 7.3 1001 4 US-09-671-317-345
44 35.6 7.1 832 4 US-09-621-976-2813
45 35.2 7.0 75480 4 US-09-949-016-16090

ALIGNMENTS

RESULT 1

US-09-671-317-388/c
; Sequence 388, Application US/09671317
; Patent No. 6528260
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62 US3 CIP
; CURRENT APPLICATION NUMBER: US/09/671.317
; CURRENT FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536.178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/126.269
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/131.961
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 977
; SOFTWARE: Patent.pm
; SEQ ID NO 388
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-906-149 : polymorphic base A or G
; NAME/KEY: misc binding
; LOCATION: 482..500
; OTHER INFORMATION: 12-906-149.misl
; NAME/KEY: misc binding
; LOCATION: 502..521
; OTHER INFORMATION: 12-906-149.mis2, potential complement
; NAME/KEY: primer bind
; LOCATION: 353..372
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer bind
; LOCATION: 809..829
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-906-149 potential probe
; NAME/KEY: misc feature
; LOCATION: 750.853..854.860.942.945
; OTHER INFORMATION: n=a, g, c or t
US-09-671-317-388

```
Query Match      78.5%; Score 392.6; DB 4; Length 1001;
Best Local Similarity 88.5%; Pred. No. 2.5e-112;
Matches 454; Conservative 0; Mismatches 44; Indels 15; Gaps 2;

QY 2 TCTAGAGGTTGGAAACAACCTTTTCCCTGATACATTGCA-----TTTTTTTGATAC 51
Db 540 TCTAGAGGTTGGAAACAATTTTCCCTGATACATTGCAATTTGCAATTTTGTATAT 481
QY 52 CTTTCAATGATGTTAACTGGCAACCAACCAAGTGAAC-----TTTACTCTTAAATATTA 106
Db 480 CTTTCAATGATGTTAACTGGCAACCAACCAAGTGAACTTTATTTACATTTAAATATTA 421
QY 107 TTTTAACTCTCTGCTTATTTGCTTATTTGCTTATTTGCTTATTTGCTTATTTGCTTATTT 166
Db 420 TTTTAACTCTCTGCTTATTTGCTTATTTGCTTATTTGCTTATTTGCTTATTTGCTTATTT 361
QY 167 TGCAGATCAGTGTGTGAGGAACTGCCATCATGAGGTCTGACAAGTCAAGTCTTTGGTATTT 226
Db 360 TGCAGATCAGTGTGTGAGGAAATGTCATCATGAGGCCGAGAGTCTTTGGTATTT 301
QY 227 CTGCTCTCGAGCTCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 286
Db 300 CGGCTCTCGAACTCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 241
QY 287 TGTGACATGAGCCATTGGCTTAACTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 346
Db 240 TGTGACATGAGCCATTGGCTTAACTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 181
QY 347 CATGAGTTAACTGATTTGACTCACTCAAAAGCCCTTCGTTAAATGACTTACAGGAGCCCTTCT 406
Db 180 CATGAGTTAACTGATTTGACTCACTCAAAAGTCTTTGTTAAATGACTTACAGGAGCCCTTCT 121
QY 407 GCATTGAAATTTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 466
Db 120 GCATTGAAATTTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 61
QY 467 GTTGACCTAGCTCTGAATCTTGTGCGAGGCTTA 499
Db 60 GTTGACCTAGCTCTGAATCTTGTGCGAGGCTTA 28
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RESULT 2

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US-09-671-317-389/c
; Sequence 389, Application US/09671317
; Patent No. 6528260
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62.US3.CIP
; CURRENT APPLICATION NUMBER: US/09/671,317
; CURRENT FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536,178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/126,269
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/131,961
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 977
; SOFTWARE: Patent.pm
; SEQ ID NO 389
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-906-154 : polymorphic base A or C
```

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; NAME/KEY: misc binding
; LOCATION: 481..500
; OTHER INFORMATION: 12-906-154.mis1, potential
; NAME/KEY: misc binding
; LOCATION: 502..521
; OTHER INFORMATION: 12-906-154.mis2, potential complement
; NAME/KEY: primer bind
; LOCATION: 348..357
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 804..824
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-906-154 potential probe
; NAME/KEY: misc feature
; LOCATION: 745,848..849,855,937,940
; OTHER INFORMATION: n=a, g, c or t
US-09-671-317-389
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Query Match      78.4%; Score 392.2; DB 4; Length 1001;
Best Local Similarity 88.3%; Pred. No. 3.3e-112;
Matches 453; Conservative 1; Mismatches 44; Indels 15; Gaps 2;
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```
QY 2 TCTAGAGGTTGGAAACAACCTTTTCCCTGATACATTGCA-----TTTTTTTGATAC 51
Db 535 TCTAGAGGTTGGAAACAATTTTCCCTGATACATTGCAATTTCTTTTGTATAT 476
QY 52 CTTTCAATGATGTTAACTGGCAACCAACCAAGTGAAC-----TTTACTCTTAAATATTA 106
Db 475 CTTTCAATGATGTTAACTGGCAACCAACCAAGTGAACTTTATTTACACTTAAATATTA 416
QY 107 TTTTAACTCTCTGCTTATTTGCTTATTTGCTTATTTGCTTATTTGCTTATTTGCTTATTT 166
Db 415 TTTTAACTCTCTGCTTATTTGCTTATTTGCTTATTTGCTTATTTGCTTATTTGCTTATTT 356
QY 167 TGCAGATCAGTGTGTGAGGAACTGCCATCATGAGGTCTGACAAGTCAAGTCTTTGGTATTT 226
Db 355 TGCAGATCAGTGTGTGAGGAAATGTCATCATGAGGCCGAGAGTCAAGTCTTTGGTATTT 296
QY 227 CTGCTCTCGAGCTCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 286
Db 295 CGGCTCTCGAACTCTTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 236
QY 287 TGTGACATGAGCCATTGGCTTAACTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 346
Db 235 TGTGACATGAGCCATTGGCTTAACTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCA 176
QY 347 CATGAGTTAACTGATTTGACTCACTCAAAAGCCCTTCGTTAAATGACTTACAGGAGCCCTTCT 406
Db 175 CATGAGTTAACTGATTTGACTCACTCAAAAGTCTTTGTTAAATGACTTACAGGAGCCCTTCT 116
QY 407 GCATTGAAATTTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 466
Db 115 GCATTGAAATTTGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 56
QY 467 GTTGACCTAGCTCTGAATCTTGTGCGAGGCTTA 499
Db 55 GTTGACCTAGCTCTGAATCTTGTGCGAGGCTTA 23
```

RESULT 3

```
US-09-976-594-241
; Sequence 241, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
```

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; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 241
; LENGTH: 2966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 997080.1
US-09-976-594-241

Query Match      66.6%; Score 333; DB 4; Length 2966;
Best Local Similarity 100.0%; Pred. No. 1.7e-93;
Matches 333; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 168 GCACATCAGTGTGAGGGAAGTCCCATCATGAGGTCTGCAAGTCAAGCTTGGTATTTTC 227
Db 1 GCACATCAGTGTGAGGGAAGTCCCATCATGAGGTCTGCAAGTCAAGCTTGGTATTTTC 60

Qy 228 TGCTCTCCAGCTCTTCTGTGTTGGCTGTGATTTCTGTGGAAAGTCTCTGTGTGGCCCT 287
Db 61 TGCTCTCCAGCTCTTCTGTGTTGGCTGTGATTTCTGTGGAAAGTCTCTGTGTGGCCCT 120

Qy 288 GTGACATGAGCCATTGGCTTAATGTCAAGTCAATCTAGAGAGCTCATAGTAGAGGCC 347
Db 121 GTGACATGAGCCATTGGCTTAATGTCAAGTCAATCTAGAGAGCTCATAGTAGAGGCC 180

Qy 348 ATGAGGTAAACAGTATTGACTCACTCAAGCTTCTGTTAATTTGACTACAGGAGCTTCTG 407
Db 181 ATGAGGTAAACAGTATTGACTCACTCAAGCTTCTGTTAATTTGACTACAGGAGCTTCTG 240

Qy 408 CATTGAAATTTGAGTGGTTCATATGCCACAGGACAGACAGAGAAATGAATATTTG 467
Db 241 CATTGAAATTTGAGTGGTTCATATGCCACAGGACAGACAGAGAAATGAATATTTG 300

Qy 468 TTGACCTAGCTCTGAATGTCTTGGCAGGCTTAT 500
Db 301 TTGACCTAGCTCTGAATGTCTTGGCAGGCTTAT 333

RESULT 4
US-09-671-317-390/c
; Sequence 390, Application US/09671317
; Patent No. 6528260
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62 US3 CIP
; CURRENT APPLICATION NUMBER: US/09/671,317
; CURRENT FILING DATE: 2000-09-27
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536,178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/126,269
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/131,961
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 977
; SOFTWARE: Patent.pm
; SEQ ID NO 390
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-906-251 : polymorphic base A or T
; NAME/KEY: misc_binding
```

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; LOCATION: 481..500
; OTHER INFORMATION: 12-906-251.mis1, potential
; NAME/KEY: misc_binding
; LOCATION: 502..521
; OTHER INFORMATION: 12-906-251.mis2, potential complement
; NAME/KEY: primer_bind
; LOCATION: 251..270
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer_bind
; LOCATION: 707..727
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc_binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-906-251 potential probe
; NAME/KEY: misc feature
; LOCATION: 648,751..752,758,840,843
; OTHER INFORMATION: n=a, g, c or t
US-09-671-317-390

Query Match      64.5%; Score 322.4; DB 4; Length 1001;
Best Local Similarity 87.2%; Pred. No. 2.1e-90;
Matches 382; Conservative 0; Mismatches 41; Indels 15; Gaps 2;

Qy 2 TCTAGAGGGTTGGAACAACTTTTCCCTGATACATTGCA-----TTTTTTGATAC 51
Db 438 TCTAGAGGGTTGGAACAAATTTTCCCTGATACATTGCAACATTTCCTTTTGATAT 379

Qy 52 CTTTCAGTACATGTTAAACTGGCAACCAACCAAGTGAAC-----TTTACTCTTAAATATTA 106
Db 378 CTTTCATTAATGTGAAGCTGGCAACCAACCAAGTGAACCTTTATTACATTTAAATATTA 319

Qy 107 TTTTAACTTCTGTGCTTATATTGTCAATTTCAACTCTCTCTAGTAAGTCAACAAACCAT 166
Db 318 TTTTAACTTCTGTGCTTATATTGTCAATTTCAACTCTCTAGTAAGTCAACAAAGCTAG 259

Qy 167 TGACATCAGTGTGTGAGGAACTGCCATCATGAGTCTGACAAGTCAAGCTTTGGTATTT 226
Db 258 TGACATCAGTGTGTGAGGAAATGTCAATCATGAGGCCGAGAGTCAAGCTTTGGTATTT 199

Qy 227 CTGCTCTGCAGCTCTTCTGTGTTGGCTGTGGAAATTCGTGGGAAAGTCTCTGGTGTGCC 286
Db 198 CGGCTCTGCAGCTCTTCTGTGTTGGCTGTGGAAATTCGTGGGAAAGTCTCTGGTGTGCC 139

Qy 287 TGTGACATGAGCCATTGGCTTAAATGTCAAGGTCAATCTAGAAGAGCTCATAGTGAGAGGC 346
Db 138 TGTGACATGAGCCATTGGCTTAAATGTCAAGGTCAATCTAGAAGAGCTCATAGTGAGAGGC 79

Qy 347 CATGAGGTAAACAGTATTGACTCACTCAAGCCCTTGGTAAATTTGACTACAGAGCCCTTCT 406
Db 78 CATGAGGTAAACAGTATTGACTCACTCAAGCCCTTGGTAAATTTGACTACAGAGCCCTTCT 19

Qy 407 GCATTGAAATTTGAGGTG 424
Db 18 GCATTGAAATTTGAGGTG 1

RESULT 5
US-09-671-317-391/c
; Sequence 391, Application US/09671317
; Patent No. 6528260
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62 US3 CIP
; CURRENT APPLICATION NUMBER: US/09/671,317
; CURRENT FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536,178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/126,269
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/131,961
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 977
; SOFTWARE: Patent.pm
; SEQ ID NO 390
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-906-251 : polymorphic base A or T
; NAME/KEY: misc_binding
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;; PRIOR APPLICATION NUMBER: US 60/126,269
;; PRIOR FILING DATE: 1999-03-25
;; PRIOR APPLICATION NUMBER: US 60/131,961
;; PRIOR FILING DATE: 1999-04-30
;; NUMBER OF SEQ ID NOS: 977
;; SOFTWARE: Patent.pm
;; SEQ ID NO 391
;; LENGTH: 1001
;; TYPE: DNA
;; ORGANISM: Homo Sapiens
;; FEATURE:
;; NAME/KEY: allele
;; LOCATION: 501
;; OTHER INFORMATION: 12-906-451 : polymorphic base A or C
;; NAME/KEY: misc_binding
;; LOCATION: 481..500
;; OTHER INFORMATION: 12-906-451.mis1, potential
;; NAME/KEY: misc_binding
;; LOCATION: 502..521
;; OTHER INFORMATION: 12-906-451.mis2, potential complement
;; NAME/KEY: primer_bind
;; LOCATION: 52..71
;; OTHER INFORMATION: upstream amplification primer
;; NAME/KEY: primer_bind
;; LOCATION: 508..528
;; OTHER INFORMATION: downstream amplification primer, complement
;; NAME/KEY: misc_binding
;; LOCATION: 489..513
;; OTHER INFORMATION: 12-906-451 potential probe
;; NAME/KEY: misc_feature
;; LOCATION: 449,552..553,559,641,644
;; OTHER INFORMATION: n=a, g, c or t
US-09-671-317-391

Query Match 29.2%; Score 145.8; DB 4; Length 1001;
Best Local Similarity 82.4%; Pred. No. 3e-35;
Matches 197; Conservative 0; Mismatches 27; Indels 15; Gaps 2;

QY 2 TCTAGAGGTTGGAAACATTTTCCTGATACATGCA-----TTTTTTGATAC 51
DB 239 TCTAGAAGGTTGGAAACAAATTTTCCCTGATACATTCGAATTTCTTTTGTATAT 180
QY 52 CTTTCACTACATGTTAACTGGCAACCAACCAAGTCAAC-----TTTACTCTTAAATATTA 106
DB 179 CTTCAATAAATGTAAGCTGGCAACCAACCAATGAATCTTTTACATTAATAATTA 120
QY 107 TTTTAACTTCTGTCTTATATTTGTCATTTCACTCTTCTGTTAGTAACTACAAACCAT 166
DB 119 TTTTAACTTCTGTCTTATATTTGTCATTTCAATTTTCATGCTTAGTAACTACAAAGCTAG 60
QY 167 TGCAGATCAGTGTGTGAGGAACTGCCATCATGAGTCTGACAGTCAGCTTTGGTATT 225
DB 59 TGCAGATCAGTGTGTGAGGAAATGTATCATGAGGCCCGAGAGTCAAGCTTTGGTATT 1

RESULT 6
US-09-356-806-1
;; Sequence 1, Application US/09356806
;; Patent No. 6586175
;; GENERAL INFORMATION:
;; APPLICANT: Penny, Laura
;; APPLICANT: Galvin, Margaret
;; APPLICANT: Miller, Andrew
;; APPLICANT: Reidy, Michael
;; TITLE OF INVENTION: Genotyping Human
;; TITLE OF INVENTION: UDP-Glucosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
;; FILE REFERENCE: SEQ-22PRV2
;; CURRENT APPLICATION NUMBER: US/09/356,806
;; NUMBER OF SEQ ID NOS: 164
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 1

;; LENGTH: 1323
;; TYPE: DNA
;; ORGANISM: H. sapiens
;; FEATURE:
;; NAME/KEY: Other
;; LOCATION: (140)...(897)
US-09-356-806-1

Query Match 17.6%; Score 88; DB 4; Length 1323;
Best Local Similarity 53.0%; Pred. No. 3.9e-17;
Matches 212; Conservative 0; Mismatches 185; Indels 3; Gaps 1;

QY 86 ACTTTACTCTTAAATATTAATTTTAACTCTGCTGCTTATATTTGCTATTTCAACTCCCTT 145
DB 63 ACTTTGAAGTGTAAGATTACATTTTAACTCTTCTGACTGATTTACTGATGATGATGATGAT 122
QY 146 GCTTAGTAACACTACAAAACCATTTGCAGATCAGTGTGTGAGGAACTGCCATCATGAGTCT 205
DB 123 GAGAAATGACAGAAAGGAGCAGCAACTGGAACCAAGCATTCATTTGCATCAGGATGCT 182
QY 206 GACAAAGTCAGCTTTGGTATTTCTCTCTGCTGAGCTCTTCTGT---GTTGGCTGTGATTC 262
DB 183 ATGAAATGCACTTTCAGCTCTTCTGCTGATACAGCTGAGCTGTACTTTAGCTCTGGAGT 242
QY 263 TGTGGGAAAGTCCTGTGTGGCCCTGTGACATGAGCCATTTGGCTTAAATGCTCAAGTCAAT 322
DB 243 TGTGAAAGGTCCTGTGTGGCCCAAGCAATTCAGCCATTCGATGAATATAAAGACATC 302
QY 323 CTAGAAGAGCTCATAGTGTGAGGCGCATGAGGTAACAGTATTTGACTCACTCAAAAGCTTCG 382
DB 303 CTGGATGAACCTTGTCCAGAGAGTCTATGAGTGACTGATTTGGCATCTTTCAGCTTCCATT 362
QY 383 TTAATTTGACTACAGGAAGCTTCTGCTGATGAAATTTGAGTGTGCTCATATGCCACAGGAC 442
DB 363 TCTTTTCGATCCCAACAGCCCATCTACTCTTAAATTTGAAGTTTATCTCTGTATCTTTAACT 422
QY 443 AGAACAGAGAAATGAATATTTGTTGACCTAGCTCTGA 482
DB 423 AAACCTGAGTTTGAGGATATTTATCAAGCAGCTGGTTAAG 462

RESULT 7

US-09-949-016-12870
;; Sequence 12870, Application US/09949016
;; Patent No. 6812339
;; GENERAL INFORMATION:
;; APPLICANT: VENTER, J. Craig et al.
;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; CURRENT FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 12870
;; LENGTH: 19732
;; TYPE: DNA
;; ORGANISM: Human
US-09-949-016-12870

Query Match 17.6%; Score 88; DB 4; Length 19732;
Best Local Similarity 53.0%; Pred. No. 1.5e-16;
Matches 212; Conservative 0; Mismatches 185; Indels 3; Gaps 1;

QY 86 ACTTTACTCTTAAATATTAATTTTAACTCTGCTGCTTATATTTGCTATTTCAACTCCCTT 145
DB 1924 ACTTTGAGTGTAAGATTACATTTTAACTCTTCTGACTGATTTATATACTGATGATGATGAT 1983

Qy	146	GCTTAGTAACTACAAAACCAATTGCAGATCAGTGTGTGAGGAACTGCCATCATGAGGTCT	205
Db	1984	GAGAAATGCAGAAAGGAGCAGCAACTGGAACCAAGCATTTGCATTCAGGATGTCT	2043
Qy	206	GACAAGTCAGCTTTTGGTATTCTCTGCTCTGCAGCTCTCTCTGT----GTTCGCTGTGGATTTC	262
Db	2044	ATGAAATGGACTTCAGCTCTTCTGCTGATACAGCTGAGCTGTTACTTTAGCTCTGGAGT	2103
Qy	263	TGTCGGGAAGTCCTGGTGTGGCCCTGTGACATGAGCCATTGGCTTTAATGTCAAGTCATT	322
Db	2104	TGTGGAAGGTGCTGGTGTGGCCCCACAGAAATTCAGCCCACTGGATGAAATATAAGACAATC	2163
Qy	323	CTAGAAGAGCTCATAGTCGAGAGGCCATGAGGTAAACAGTATTTGACTCACTCAAAGCCTTCG	382
Db	2164	CTGGATGAACTTTGTCGAGAGAGGTCAAGAGGTGACTGTATTGGCACTCTTACGCTTCATT	2223
Qy	383	TTAATTGACTACAGGAAGCCTTCTGCATTGAAATTTGAGGTGGTCCCATATGCCACAGGAC	442
Db	2224	TCCTTCGATCCCAACAGCCCATCTACTCTTAAATTTGAAGTTTATCCTGTAATCTTTAACT	2283
Qy	443	AGAACAGAGAANAATGAAATTTTGGTGACCTAGCTCTGA	482
Db	2284	AAAACTCAGTTTGAAGGATATTATCAAGCAGCTGCTGTTAAGA	2323

```

RESULT 8
US-09-949-016-14923
; Sequence 14923, Application US/09949016
; Patent No. 6812339.
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CLO01307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14923
; LENGTH: 19732
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14923

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Query Match	17.6%;	Score 88;	DB 4;	Length 19732;
Best Local Similarity	53.0%;	Pred. No. 1.5e-16;		
Matches 212;	Conservative 0;	Mismatches 185;	Indels 3;	Gaps 1;
Qy	86	ACTTTACTCTTAAATATTAATTTTAACTCTCTGCTTATATGTTCATTTCAACTCCITT	145	
Db	1924	ACITTGAGTGTAAAGTTACATTTTAACTCTTGACTGATTTATATCTGGATGTCACCAT	1983	
Qy	146	GCTTAGTAACTACAAAAACCATTGCAGATCATGTGTGTGAGGGAACTGCCATCATCAGGTCIT	205	
Db	1984	GAGAAATGACAGAAAGGAGCAGCAACTGGAAAAACAAGCATTTGCATTCATCAGGATGTCIT	2043	
Qy	206	GACAAGTCAGCTTTGGTATTTCCTCTCTCGAGCTCTTCTGT---GTTGGCTGTGGATTC	262	
Db	2044	ATGAAATGGACTTTCAGCTCTTCTGCTGATACAGCTGAGCTGTACTTTAGCTCTGGGAGT	2103	
Qy	263	TGTGGGAAAGTCCTGGGTGCGCCCTGTGCATCAGGCCATTTGGCTTAATGTCAAGGTCATT	322	
Db	2104	TGTGGAAAGGTGCTGGTGTGGCCCAAGAATTCAGCCACTGGATGGAATATAAAGACAAATC	2163	
Qy	323	CTAGAAGAGCTCATGTGAGAGGCCCATGAGGTAAACAGTATTGACTCACTCAAAAGCCCTTCG	382	

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Db      2154  CTGATGTAACCTGTGCCAGAGGTCATGAGGTGACTGATTGGGCATCTTTCAGCTTCCATT  2223
QY      383   TTAATTGACTACAGGAAGCCCTTCGCATTGAAATTTGAGGTGGTCCATATGCCACAGGAC  442
Db      2224  TCTTTCGATCCCAACAGGCCATCTACTCTTAAATTTGAAGTTTATCCTGTATCTTTAACT  2283
QY      443   AGACACAGAAGAAATGAAATATTTGTTGACCTAGCTCTGA  482
Db      2284  AAAACTGAGTTTGAGGATATTATCAAGCAGCTGGTTAAGA  2323

RESULT 9
US-09-949-016-14336
; Sequence 14336, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14336
; LENGTH: 19733
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-14336

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Query Match	17.8%; Score 88; DB 4; Length 19733;
Best Local Similarity	53.0%; Pred. No. 1.5e-16;
Matches	212; Conservative 0; Mismatches 185; Indels 3; Gaps 1;
Qy	86 ACITTTACTCTTAAAAATTAAATTTTAACTTCCTGCTCTATATGTGCATTTCAACCTCCCTT 145
Db	1924 ACITTTGAAGTGTAAAGTTACATTTTAACTTCCTGACTGATTTATACTGGATGTCAACAT 1983
Qy	146 GCTTTAGTAACTA CAAAACCATTCAGATCAGTGTGTGAGGGAACTGCCATCATAGGGTCT 205
Db	1984 GAGAAATGACAGAAAGGAGCAGCAACTGGAAAAACAAGCATTTGCATTCAGGATGTCT 2043
Qy	206 GACAAGTCAGCTTTGTGATTTCTGCTCCCTGCAGCTCTTCTGT.---GTTGGCTGTGGATTC 262
Db	2044 ATGAATATGGACTTCAGCTCTTCTGCTGTATACAGCTGAGCTGTATCTTTAGCTCTCGGAGT 2103
Qy	263 TGTGGGAAAGTCCTGTTGTGGCCCTCTGCATGAGCCATTGGCTTAATGTCAGAGGTCAIT 322
Db	2104 TGTGGAAAGGTGCTGTGTGTGGCCCA CAGAATTCAGCCACTGGATGAATATAAGACAATC 2163
Qy	323 CTAGAAGAGCTCATAGTGAGAGGCCATGAGGTAA CAGTATTGACTCACTCAAGCCTTCG 382
Db	2164 CTGGATGAACCTTGCTCCAGAGAGGTCATGAGGTGACTGTATTGGCATCTTCAGCTTCCATT 2223
Qy	383 TTAATTTGACTACAGGAAGCCTTCCTGCATTTGAAATTTTGAGTGGTCCATATGCCACAGGAC 442
Db	2224 TCITTCGATCCCAACAGCCCACTACTCTTAAATTTGAAGTTTATCTCTGTATCTTTAACT 2283
Qy	443 AGAACAGAGAAATGAAATATTTGTTTGACCTAGCTCTCGA 482
Db	2284 AAAAAGCTGAGTTTGAGATATTTATCAAGCAGCTGGTTAAGA 2323

RESULT 10
US-09-671-317-412
; Sequence 412, Application US/09671317
; Patent No. 6528260

GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62 US3.CIP
; CURRENT APPLICATION NUMBER: US/09/671,317
; CURRENT FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536,178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/126,269
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/131,961
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 977
; SOFTWARE: Patent.pm
; SEQ ID NO 412
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 503
; OTHER INFORMATION: 10-457-284 : polymorphic base G or T
; NAME/KEY: misc.binding
; LOCATION: 483..502
; OTHER INFORMATION: 10-457-284.mis1, potential
; NAME/KEY: misc.binding
; LOCATION: 504..523
; OTHER INFORMATION: 10-457-284.mis2, potential complement
; NAME/KEY: primer.binding
; LOCATION: 220..238
; OTHER INFORMATION: upstream amplification primer
; NAME/KEY: primer.binding
; LOCATION: 621..639
; OTHER INFORMATION: downstream amplification primer, complement
; NAME/KEY: misc.binding
; LOCATION: 491..515
; OTHER INFORMATION: 10-457-284 potential probe
; NAME/KEY: misc_feature
; LOCATION: 715
; OTHER INFORMATION: n=a, g, c or t
; OTHER INFORMATION: n=a, g, c or t
US-09-671-317-412

Query Match 16.8%; Score 84.2; DB 4; Length 1001;
Best Local Similarity 62.2%; Pred. No. 5.1e-16;
Matches 150; Conservative 0; Mismatches 88; Indels 3; Gaps 1;

QY 194 ATCATGAGTCTGACAAAGTCAGCTTTGGTATTTCCTGCTCCTGAGCTCTTCTGT---GTT 250
Db 245 ACCAGGATGCTCTGAAATGGAGCTCAGTCTTCTGCTGATACAGCTCAGTTGTTACTTT 304

QY 251 GGCTGTGGATTCTGTGGAAAGTCTTGGTGTGGCCCTGTGACATGAGCCATTGGCTTAAT 310
Db 305 AGCTCTGGAAGCTGTGGAAGGTGTAGTGTGGCCACAGAAATACAGCCATTGGATAAAT 364

QY 311 GTCAAGGTCATCTAGAAAGCTCATAGTGAGAGGCCATGAGGTAACAGTATTGACTCAC 370
Db 365 ATGAAGACAACTCTGGAAGAGCTTGTTCAGAGGGGTGATGAGTGTGTTGACATCT 424

QY 371 TCAAAGCCTTCGTTAAATGACTACAGGAAGCCCTTTCGCAATGAAATTTGAGGTGGTCCAT 430
Db 425 TCGGCTTCTACTCTTCTCAATGCCAGTAAATCATCTGCTATTAAATTAGAAGTTTATCCT 484

QY 431 A 431
Db 485 A 485

RESULT 11

US-09-949-016-2735
; Sequence 2735, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2735
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2735

Query Match 16.8%; Score 84.2; DB 4; Length 1323;
Best Local Similarity 62.2%; Pred. No. 5.9e-16;
Matches 150; Conservative 0; Mismatches 88; Indels 3; Gaps 1;

QY 194 ATCATGAGTCTGACAAAGTCAGCTTTGGTATTTCCTGCTCCTGAGCTCTTCTGT---GTT 250
Db 5 ACCAGGATGCTCTGAAATGGAGCTCAGTCTTCTGCTGATACAGCTCAGTTGTTACTTT 64

QY 251 GGCTGTGGATTCTGTGGAAAGTCTTGGTGTGGCCCTGTGACATGAGCCATTGGCTTAAT 310
Db 65 AGCTCTGGAAGCTGTGGAAGGTGTAGTGTGGCCACAGAAATACAGCCATTGGATAAAT 124

QY 311 GTCAAGGTCATCTAGAAAGCTCATAGTGAGAGGCCATGAGGTAACAGTATTGACTCAC 370
Db 125 ATGAAGACAACTCTGGAAGAGCTTGTTCAGAGGGGTGATGAGTGTGTTGACATCT 184

QY 371 TCAAAGCCTTCGTTAAATGACTACAGGAAGCCCTTTCGCAATGAAATTTGAGGTGGTCCAT 430
Db 185 TCGGCTTCTACTCTTCTCAATGCCAGTAAATCATCTGCTATTAAATTAGAAGTTTATCCT 244

QY 431 A 431
Db 245 A 245

RESULT 12
US-09-949-016-2736
; Sequence 2736, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2736
; LENGTH: 1323
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-2736

Query Match 16.8%; Score 84.2; DB 4; Length 1323;
Best Local Similarity 62.2%; Pred. No. 5.9e-16;
Matches 150; Conservative 0; Mismatches 88; Indels 3; Gaps 1;

QY 194 ATCATGAGGCTGACAAAGTCTGCTGGGAAAGTCTGCTGGGCTCTGTGATTTCTGCTGCTGACGCTCTTCTGT---GTT 250
DB 5 ACCAGGATGCTCTGAAATGGACGTCAGTCTTTCTGCTGATACAGCTCAGTTGTTACTTT 64

QY 251 GGCTGTGGATTCTGTGGGAAAGTCTGCTGGGCTCTGTGATTTCTGCTGACATGAGCCATTGGCTTTAAT 310
DB 65 AGCTCTGGAAGCTGTGAAAGTCTGCTGCTGGGCTCTGTGATTTCTGCTGACATGAGCCATTGGATAAT 124

QY 311 GTCAAGTCTATTCTAGAAAGCTCATAGTGGAGGCTCTGCTGATGAGGCTCTGATGAGTATTGACTCAC 370
DB 125 ATGAAGACAATCTCTGGAAGAGCTTGTTCAGAGGGCTCATGAGGTGACTGTGTTGACATCT 184

QY 371 TCAAGGCTTCTGTTAAATGACTACAGGAAGCTTCTGCTGATGAAATTTGAGGTGGTCCAT 430
DB 185 TCGGCTTCTACTCTTGTGCAATGCCAGTAAATCATCTGCTATTAAATTTAGAAGTTTATCCT 244

QY 431 A 431
DB 245 A 245

RESULT 13
US-09-356-806-112
; Sequence 112, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE REFERENCE: SEQ-22PRV2
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 112
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (11)...(1598)
US-09-356-806-112

Query Match 16.8%; Score 84.2; DB 4; Length 1976;
Best Local Similarity 62.2%; Pred. No. 7.2e-16;
Matches 150; Conservative 0; Mismatches 88; Indels 3; Gaps 1;

QY 194 ATCATGAGGCTGACAAAGTCTGCTGGGAAAGTCTGCTGGGCTCTGTGATTTCTGCTGACGCTCTTCTGT---GTT 250
DB 5 ACCAGGATGCTCTGAAATGGACGTCAGTCTTTCTGCTGATACAGCTCAGTTGTTACTTT 64

QY 251 GGCTGTGGATTCTGTGGGAAAGTCTGCTGGGCTCTGTGATTTCTGCTGACATGAGCCATTGGCTTTAAT 310
DB 65 AGCTCTGGAAGCTGTGAAAGTCTGCTGCTGGGCTCTGTGATTTCTGCTGACATGAGCCATTGGATAAT 124

QY 311 GTCAAGTCTATTCTAGAAAGCTCATAGTGGAGGCTCTGCTGATGAGGCTCTGATGAGTATTGACTCAC 370
DB 125 ATGAAGACAATCTCTGGAAGAGCTTGTTCAGAGGGCTCATGAGGTGACTGTGTTGACATCT 184

QY 371 TCAAGGCTTCTGTTAAATGACTACAGGAAGCTTCTGCTGATGAAATTTGAGGTGGTCCAT 430
DB 185 TCGGCTTCTACTCTTGTGCAATGCCAGTAAATCATCTGCTATTAAATTTAGAAGTTTATCCT 244

QY 431 A 431

Db 245 A 245

RESULT 14
US-09-356-806-114
; Sequence 114, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; FILE REFERENCE: SEQ-22PRV2
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 114
; LENGTH: 2312
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: exon
; LOCATION: (692)...(1425)
US-09-356-806-114

Query Match 16.8%; Score 84.2; DB 4; Length 2312;
Best Local Similarity 62.2%; Pred. No. 7.8e-16;
Matches 150; Conservative 0; Mismatches 88; Indels 3; Gaps 1;

QY 194 ATCATGAGGCTGACAAAGTCTGCTGGGAAAGTCTGCTGGGCTCTGTGATTTCTGCTGACGCTCTTCTGT---GTT 250
DB 696 ACCAGGATGCTCTGAAATGGACGTCAGTCTTTCTGCTGATACAGCTCAGTTGTTACTTT 755

QY 251 GGCTGTGGATTCTGTGGGAAAGTCTGCTGGGCTCTGTGATTTCTGCTGACATGAGCCATTGGCTTTAAT 310
DB 756 AGCTCTGGAAGCTGTGGAAGTCTGCTGCTGGGCTCTGATGAGGCTCTGATGAGGCTCATGAGGTGACTGTGTTGACATCT 815

QY 311 GTCAAGTCTATTCTAGAAAGCTCATAGTGGAGGCTCTGCTGATGAGGCTCTGATGAGTATTGACTCAC 370
DB 816 ATGAAGACAATCTCTGGAAGAGCTTGTTCAGAGGGCTCATGAGGTGACTGTGTTGACATCT 875

QY 371 TCAAGGCTTCTGTTAAATGACTACAGGAAGCTTCTGCTGATGAAATTTGAGGTGGTCCAT 430
DB 876 TCGGCTTCTACTCTTGTGCAATGCCAGTAAATCATCTGCTATTAAATTTAGAAGTTTATCCT 935

QY 431 A 431
DB 936 A 936

RESULT 15
US-09-949-016-14477
; Sequence 14477, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012

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(without alignments)
9687.302 Million cell updates/sec

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Gapop 10.0 , Gapext 1.0

Searched: 5607317 seqs, 3026245999 residues

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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18: /cgn2_6/ptodata/2/pubpna/US10F_PUBCOMB.seq.*
19: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
20: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
21: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
22: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
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C	392.2	78.4	1001	17	US-10-294-934-389
4	347	69.4	1705	17	US-10-114-270-51
5	334	66.8	1662	17	US-10-307-817-117
6	333	66.6	1620	14	US-10-158-646-45
7	333	66.6	2966	9	US-09-981-353-33
8	330	66.0	1636	9	US-09-981-353-165
9	330	66.0	1636	17	US-10-258-080-11
10	330	66.0	2974	13	US-10-052-586-521
11	330	66.0	2974	14	US-10-174-590-521
12	330	66.0	2974	14	US-10-176-758-521
13	330	66.0	2974	14	US-10-175-737-521
14	330	66.0	2974	14	US-10-174-581-521
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16	330	66.0	2974	14	US-10-176-749-521
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21	330	66.0	2974	14	US-10-175-752-521
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27	330	66.0	2974	14	US-10-173-700-521
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29	330	66.0	2974	14	US-10-174-579-521
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31	330	66.0	2974	14	US-10-174-588-521
32	330	66.0	2974	14	US-10-175-739-521
33	330	66.0	2974	14	US-10-175-740-521
34	330	66.0	2974	14	US-10-175-743-521
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36	330	66.0	2974	14	US-10-176-492-521
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ALIGNMENTS

RESULT 1

US-10-114-270-49
; Sequence 49, Application US/10114270
; Publication No. US20040030110A1
; GENERAL INFORMATION:
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Miller, Charles E.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Patturajan, Meera
; APPLICANT: Liu, Ziaohong
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Li, Li
; APPLICANT: Vernet, Corine
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Gorman, Linda
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Smithson, Glennnda
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Gerlach, Valerie
; APPLICANT: Padigaru, Muralidhara
; APPLICANT: Shimketa, Richard A.
; APPLICANT: Gangolli, Esha A.
; APPLICANT: Taupier Jr., Raymond J.
; APPLICANT: Casman, Stacie J.
; APPLICANT: Ji, Weizhen
; APPLICANT: Anderson, David W.
; APPLICANT: Liets, Mario W.
; APPLICANT: Rastelli, Luca
; APPLICANT: Edinger, Shomit R.
; APPLICANT: Stone, David J.
; APPLICANT: MacDougall, John R.

; APPLICANT: Rothenberg, Mark E.
; TITLE OF INVENTION: No. US20040030110A1el Proteins and Nucleic Acids Encoding Same
; FILE REFERENCE: 21402-322C
; CURRENT APPLICATION NUMBER: US/10/114,270
; PRIOR FILING DATE: 2002-11-27
; CURRENT FILING DATE: 2002-11-27
; PRIOR APPLICATION NUMBER: 60/281,086
; PRIOR FILING DATE: 2001-04-03
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: 60/281,136
; PRIOR FILING DATE: 2001-04-03
; PRIOR APPLICATION NUMBER: 60/281,863
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 60/281,906
; PRIOR FILING DATE: 2001-04-05
; PRIOR APPLICATION NUMBER: 60/282,020
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: 60/282,930
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/282,934
; PRIOR FILING DATE: 2001-04-10
; PRIOR APPLICATION NUMBER: 60/283,512
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: 60/283,710
; PRIOR FILING DATE: 2001-04-13
; PRIOR APPLICATION NUMBER: 60/284,234
; PRIOR FILING DATE: 2001-04-17
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 470
; SEQ ID NO 49
; LENGTH: 3050
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (101)..(1682)
US-10-114-270-49

Query Match 80.8%; Score 404; DB 17; Length 3050;
Best Local Similarity 100.0%; Pred. No. 3.2e-107;
Matches 404; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 97 AAAATATTATTTTAACTTCTGTGCTTATATTTGTCATTTCAACTCCTTGGCTTAGTAAC 156
DB 1 AAAATATTATTTTAACTTCTGTGCTTATATTTGTCATTTCAACTCCTTGGCTTAGTAAC 60
QY 157 AAAAAACCATTCAGATCAGTGTGAGGAACTGCATCATGAGTCTGACAAAGTCAGC 216
DB 61 AAAAAACCATTCAGATCAGTGTGAGGAACTGCATCATGAGTCTGACAAAGTCAGC 120
QY 217 TTTGGTATTTCTGCTCCTCAGCTCTTCTGTGTTGGCTGTGGATTCTGTGGAAAGTCCT 276
DB 121 TTTGGTATTTCTGCTCCTCAGCTCTTCTGTGTTGGCTGTGGATTCTGTGGAAAGTCCT 180
QY 277 GGTGTGGCCCTGTGACATGAGCCATTGGCTTAATGTCAAGGTCAATTTCTAGAAGAGCTCAT 336
DB 181 GGTGTGGCCCTGTGACATGAGCCATTGGCTTAATGTCAAGGTCAATTTCTAGAAGAGCTCAT 240
QY 337 AGTGAGAGCCCATGAGTAACAGTATGACTCACTCAAGACCTTCGTTAATTCAGTACAG 396
DB 241 AGTGAGAGCCCATGAGTAACAGTATGACTCACTCAAGACCTTCGTTAATTCAGTACAG 300
QY 397 GAAGCCTTCTGCAATTCGAAATTTGAGGTGTGCCATATGCCACAGGACAGAAAGAAAA 456
DB 301 GAAGCCTTCTGCAATTTGAGGTGTGCCATATGCCACAGGACAGAAAGAAAA 360
QY 457 TGAATATTTGTTGACTAGCTCTGAATGTCTTGGCCAGGCTTAT 500
DB 361 TGAATATTTGTTGACTAGCTCTGAATGTCTTGGCCAGGCTTAT 404

RESULT 2

US-10-294-934-388/c
; Sequence 388, Application US/10294934
; Publication No. US20040038231A1

; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62 US4.DIV
; CURRENT APPLICATION NUMBER: US/10/294,934
; CURRENT FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/671,317
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536,178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/126,269
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/131,961
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 977
; SOFTWARE: Patent.pm
; SEQ ID NO 388
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-906-149 : polymorphic base A or G
; FEATURE:
; NAME/KEY: misc binding
; LOCATION: 482..500
; OTHER INFORMATION: 12-906-149.mis1
; FEATURE:
; NAME/KEY: misc binding
; LOCATION: 502..521
; OTHER INFORMATION: 12-906-149.mis2, potential complement
; FEATURE:
; NAME/KEY: primer bind
; LOCATION: 353..372
; OTHER INFORMATION: upstream amplification primer
; FEATURE:
; NAME/KEY: primer bind
; LOCATION: 809..829
; OTHER INFORMATION: downstream amplification primer, complement
; FEATURE:
; NAME/KEY: misc binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-906-149 potential probe
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 750,853..854,860,942,945
; OTHER INFORMATION: n=a, g, c or t
US-10-294-934-388
Query Match 78.5%; Score 392.6; DB 17; Length 1001;
Best Local Similarity 88.5%; Pred. No. 4e-104;
Matches 454; Conservative 0; Mismatches 44; Indels 15; Gaps 2;
QY 2 TCTAGAGGGTTGGACAACTTTTCCCTGATACATTGCA-----TTTTTTTGATAC 51
DB 540 TCTAGAGGGTTGGACAAATTTTCCCTGATACATTGCAAYATTGCAATTTCTTTTGATAT 481
QY 52 CTTTCAGTACATGTTAAACTGGCAACACACAGTGAAC-----TTTACTCTTAAATATTAA 106
DB 480 CTTCAATAATGTGAAGCTGGCAACCAACCAATGAACTTTATTACACTTAAATATTAA 421
QY 107 TTTTAACTTCGTGCTTATATTGTCATTTCACTTCCCTTGTAGTAACTACAAACCAT 166
DB 420 TTTTAACTTCGTGCTTATATTGTCATTTCAATTTGCTTAGTAACCTCAAGCTAG 361
QY 167 TGCAGATCAGTGTGTGAGGGAACCTGCCATCATGAGTCTGACAAGTCAGCTTTGGTATT 226

```
Db 360 TGCAGATCAGTGTGTGAGGGAATGTCAATCATGAGGCCCGAGAGTCAGCTTTGGTATTT 301
Qy 227 CTGCTCTCGAGCTCTTCTGTGTGGCTGTGGATTCCTGTGGAAAGTCTCTGTGTGGCCC 286
Db 300 CGGCTCTCGCAACTCTTCTGTGTAGTGTGGAATTCCTGTGAGAAGTCTCTGTGTGGCCC 241
Qy 287 TGTGACATGAGCCATTGGCTTAATGTCAAGTCAATTCCTGAGAAGCTCATAGTGAGAGGC 346
Db 240 TGTGACATGAGCCATTGGCTTAATGTCAAGTCAATTCCTGAGAAGCTCATAGTGAGAGGC 181
Qy 347 CATGAGGTAAACAGTATTGACTCACTCAAAAGCCTTCGTTAATTTGACTACAGAAAGCCTTCT 406
Db 180 CATGAGGTAAACAGTATTGACTCACTCAAAAGCCTTCGTTAATTTGACTACAGAAAGCCTTCT 121
Qy 407 GCATTGAAATTTGAGGTGGTCCATATGCCAGGACAGAAACAGAAAGAAATGAAATATTT 466
Db 120 GCATTGAAATTTGAGGTGGTCCATATGCCAGGATAAACAGAAAGAAATGAAATATTT 61
Qy 467 GTTGACCTAGCTCTGAATGTCTTGGCAGGCTTA 499
Db 60 GTTGACCTAGCTCTGAATGTCTTGGCAGGCTTA 28
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RESULT 3

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US-10-294-934-389/c
; Sequence 389, Application US/10294934
; Publication No. US20040038231A1
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62.US4.DIV
; CURRENT APPLICATION NUMBER: US/10/294,934
; CURRENT FILING DATE: 2000-09-27
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/671,317
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536,178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/126,269
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/131,961
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 977
; SOFTWARE: Patent.pm
; SEQ ID NO 389
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele
; LOCATION: 501
; OTHER INFORMATION: 12-906-154 : polymorphic base A or C
; FEATURE:
; NAME/KEY: misc binding
; LOCATION: 481..500
; OTHER INFORMATION: 12-906-154.misl, potential
; FEATURE:
; NAME/KEY: misc binding
; LOCATION: 502..521
; OTHER INFORMATION: 12-906-154.mis2, potential complement
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 348..367
; OTHER INFORMATION: upstream amplification primer
; FEATURE:
; NAME/KEY: primer_bind
; LOCATION: 804..824
; OTHER INFORMATION: downstream amplification primer, complement
; FEATURE:
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; NAME/KEY: misc_binding
; LOCATION: 489..513
; OTHER INFORMATION: 12-906-154 potential probe
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: 745,848..849,855,937,940
; OTHER INFORMATION: n=a, g, c or t
; US-10-294-934-389
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Query Match 78.4%; Score 392.2; DB 17; Length 1001;

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Best Local Similarity 88.3%; Pred. No. 5.2e-104;
Matches 453; Conservative 1; Mismatches 44; Indels 15; Gaps 2;

Qy 2 TCTAGAGGTTGGAACAACACTTTTCCCTGATACATTCGCA-----TTTTTTTGATAC 51
Db 535 TCTAGAAGGTTGGAACAACAAATTTTCCCTGATACATKGCACCACTTGCATTTCTTTTGGATAT 476
Qy 52 CTTTCAGTACATGTAAACTGGCAACACCAAGTGAAC-----TTTACTCTTTAAATATATAA 106
Db 475 CTTTCAATAAATGTGAAGCTGGCAACCAACCAATGAACCTTTATTATACACTTTAAATATATAA 416
Qy 107 TTTTAACTTCTGTGCTTATATTGTTCATTTCAACTCCTTCTTAGTAACTACAAACCAT 166
Db 415 TTTTAACTTCTGTGCTTATATTGTTCATTTCAATTTTCATGCTTAGTAACTACAAAGTAG 356
Qy 167 TGCAGATCAGTGTGTGAGGGAACCTGCCATCATGAGGTCTGACAAGTCAGCTTTGGTATTT 226
Db 355 TGCAGATCAGTGTGTGAGGGAATGTCATCATGAGGCCCGAGAAGTCAGCTTTGGTATTT 296
Qy 227 CTGCTCTCGAGCTCTTCTGTGTGGTGTGGATTCCTGTGGAAAGTCTCTGTGTGGCCC 286
Db 295 CGGCTCTCGCAACTCTTCTGTGTAGTGTGAAATTCCTGTGAGAAGGTCCTGTGTGGCCC 236
Qy 287 TGTGACATGAGCCATTGGCTTAATGTCAAGTCAATTCCTAGAAGAGCTCATAGTGAGAGGC 346
Db 235 TGTGACATGAGCCATTGGCTTAATGTCAAGTCAATTCCTAGAAGAGCTCATAGTGAGAGGC 176
Qy 347 CATGAGGTAAACAGTATTGACTCACTCAAAAGCCTTCGTTAATTGACTACAGAAAGCCTTCT 406
Db 175 CATGAGGTAAACAGTATTGACTCACTCAAAAGCTTTTGTATTGACTACAGAAAGCCTTCT 116
Qy 407 GCATTGAAATTTGAGGTGGTGCATATGCCAGGACAGAAACAGAAAGAAATGAAATATTT 466
Db 115 GCATTGAAATTTGAGGTGGTGCATATGCCAGGATAAACAGAAAGAAATGAAATATTT 56
Qy 467 GTTGACCTAGCTCTGAATGTCTTGGCAGGCTTA 499
Db 55 GTTGACCTAGCTCTGAATGTCTTGGCAGGCTTA 23
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RESULT 4

```
US-10-114-270-51
; Sequence 51, Application US/10114270
; Publication No. US20040030110A1
; GENERAL INFORMATION:
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Miller, Charles E.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Patturajan, Meera
; APPLICANT: Liu, Ziaohong
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Li, Li
; APPLICANT: Vernet, Corine
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Gorman, Linda
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Smithson, Glennda
; APPLICANT: Burgess, Catherine E.
; APPLICANT: Gerlach, Valerie
; APPLICANT: Padigaru, Muralidhara
```

APPLICANT: Shimkets, Richard A.
APPLICANT: Gangolli, Beha A.
APPLICANT: Taupier Jr., Raymond J.
APPLICANT: Casman, Stacie J.
APPLICANT: Ji, Weizhen
APPLICANT: Anderson, David W.
APPLICANT: Liette, Mario W.
APPLICANT: Rastelli, Luca
APPLICANT: Edinger, Shlomit R.
APPLICANT: Stone, David J.
APPLICANT: MacDougall, John R.
APPLICANT: Rothenberg, Mark E.
TITLE OF INVENTION: No. US20040030110A1el Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 21402-322C
CURRENT APPLICATION NUMBER: US/10/114,270
CURRENT FILING DATE: 2002-11-27
PRIOR APPLICATION NUMBER: 60/281,086
PRIOR FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: 60/281,136
PRIOR FILING DATE: 2001-04-03
PRIOR APPLICATION NUMBER: 60/281,863
PRIOR FILING DATE: 2001-04-05
PRIOR APPLICATION NUMBER: 60/281,906
PRIOR FILING DATE: 2001-04-05
PRIOR APPLICATION NUMBER: 60/282,020
PRIOR FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: 60/282,930
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/282,934
PRIOR FILING DATE: 2001-04-10
PRIOR APPLICATION NUMBER: 60/283,512
PRIOR FILING DATE: 2001-04-12
PRIOR APPLICATION NUMBER: 60/283,710
PRIOR FILING DATE: 2001-04-13
PRIOR APPLICATION NUMBER: 60/284,234
PRIOR FILING DATE: 2001-04-17
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 470
SEQ ID NO 51
LENGTH: 1705
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: CDS
LOCATION: (44)..(1625)
US-10-114-270-51

Query Match 69.4%; Score 347; DB 17; Length 1705;
Best Local Similarity 100.0%; Pred. No. 1.2e-90; Mismatches 0; Indels 0; Gaps 0;
Matches 347; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 154 ACTACAAAACCATTCAGATCAGTGTGTGAGGGAACCTGCCATCATGAGGTCTGACAAAGTC 213
DB 1 ACTACAAAACCATTCAGATCAGTGTGTGAGGGAACCTGCCATCATGAGGTCTGACAAAGTC 60

QY 214 AGCTTTGGTATTCTGCTCTGAGAGCTCTTCTGTGTGCTGTGAGTCTGAGTCTGAGGAAAGT 273
DB 61 AGCTTTGGTATTCTGCTCTGAGAGCTCTTCTGTGTGCTGTGAGTCTGAGTCTGAGGAAAGT 120

QY 274 CTTGGTGTGGCCCTGTGACATGAGCCATTGGCTTAATGTCAAGGTCTATTCTAGAAGAGCT 333
DB 121 CTTGGTGTGGCCCTGTGACATGAGCCATTGGCTTAATGTCAAGGTCTATTCTAGAAGAGCT 180

QY 334 CATAGTGAGAGGCCATGAGGTAACTAGTATGACTCACTCAAGCCCTTCGTTAATGACTTA 393
DB 181 CATAGTGAGAGGCCATGAGGTAACTAGTATGACTCACTCAAGCCCTTCGTTAATGACTTA 240

QY 394 CAGGAAGCCTTCTGCATTGAAATTTGAGGTGTGCTCATATGCCACAGGACAGACAGAACA 453
DB 241 CAGGAAGCCTTCTGCATTGAAATTTGAGGTGTGCTCATATGCCACAGGACAGACAGAAGA 300

QY 454 AAATGAAATATTGTTGACCTAGCTCTGAATGCTTTGCCAGGCTTAT 500
|||||

DB 301 AAATGAAATATTGTTGTTGACCTAGCTCTGAATGCTTTGCCAGGCTTAT 347

RESULT 5
US-10-307-817-117
; Sequence 117, Application US/10307817
; Publication No. US20040058338A1
; GENERAL INFORMATION:
; APPLICANT: Agee et al.
; TITLE OF INVENTION: NOVEL PROTEINS AND NUCLEIC ACIDS ENCODING SAME
; FILE REFERENCE: 21402-502C
; CURRENT APPLICATION NUMBER: US/10/307,817
; CURRENT FILING DATE: 2002-12-02
; NUMBER OF SEQ ID NOS: 682
; SOFTWARE: CuraseqList version 0.1
; SEQ ID NO 117
; LENGTH: 1662
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (31)..(1611)
US-10-307-817-117

Query Match 66.8%; Score 334; DB 17; Length 1662;
Best Local Similarity 100.0%; Pred. No. 7.3e-87; Mismatches 0; Indels 0; Gaps 0;
Matches 334; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 167 TGCAGATCAGTGTGTGAGGGAACCTGCCATCATGAGGTCTGACAAAGTCAGCTTTGGTATT 226
DB 1 TGCAGATCAGTGTGTGAGGGAACCTGCCATCATGAGGTCTGACAAAGTCAGCTTTGGTATT 60

QY 227 CTGCTCCTGAGCTCTTCTGTGTGCTGTGAGTCTGTGGGAAAGTCTGTGTGGCC 286
DB 61 CTGCTCCTGAGCTCTTCTGTGTGCTGTGAGTCTGTGGGAAAGTCTGTGTGGCC 120

QY 287 TGTGACATGAGCCATTGGCTTAATGTCAAGGTCTATTCTAGAAGAGCTCATAGTGAGAGC 346
DB 121 TGTGACATGAGCCATTGGCTTAATGTCAAGGTCTATTCTAGAAGAGCTCATAGTGAGAGC 180

QY 347 CATGAGGTAAACAGTATTGACTCACTCAAGCCCTTCGTTAATGACTACAGGAAGCCTTCT 406
DB 181 CATGAGGTAAACAGTATTGACTCACTCAAGCCCTTCGTTAATGACTACAGGAAGCCTTCT 240

QY 407 GCATTGAAATTTGAGGTGTGCTCATATGCCACAGGACAGACAGAAAGAAATGAAATATT 466
DB 241 GCATTGAAATTTGAGGTGTGCTCATATGCCACAGGACAGACAGAAAGAAATGAAATATT 300

QY 467 GTTGACCTAGCTCTCAATGCTTTGCCAGGCTTAT 500
DB 301 GTTGACCTAGCTCTCAATGCTTTGCCAGGCTTAT 334

RESULT 6
US-10-158-646-45
; Sequence 45, Application US/10158646
; Publication No. US20030073105A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy K.W.
; APPLICANT: Sornasse, Thierry
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0030-1 US
; CURRENT APPLICATION NUMBER: US/10/158,646
; CURRENT FILING DATE: 2002-05-29
; PRIOR APPLICATION NUMBER: 60/295,239
; PRIOR FILING DATE: 2001-05-31
; NUMBER OF SEQ ID NOS: 78
; SOFTWARE: PERL Program
; SEQ ID NO 45
; LENGTH: 1620
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:

Db	181	ATGAGGTAAACAGTATTGACTCACTCAAGACCTTCGTGTAATGGACTACAGGAAGCCTTCTG	24
Qy	408	CATTGAAATTTGAGGTGGTCCATATGCCACAGGACAGAACAGAAATGAAATATTTG	467
Db	241	CATTGAAATTTGAGGTGGTCCATATGCCACAGGACAGAACAGAAATGAAATATTTG	300
Qy	468	TTGACCTAGCTCTGAAATGCTTTGCCAGGCTTAT	500
Db	301	TTGACCTAGCTCTGAAATGCTTTGCCAGGCTTAT	333
RESULT 8			
US-09-981-353-165			
; Sequence 165, Application US/09981353			
; Patent No. US20020160382A1			
; GENERAL INFORMATION:			
; APPLICANT: Lasek, Amy W.			
; APPLICANT: Jones, David A.			
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER			
; FILE REFERENCE: PA-0038 US			
; CURRENT APPLICATION NUMBER: US/09/981.353			
; CURRENT FILING DATE: 2001-10-11			
; NUMBER OF SEQ ID NOS: 194			
; SOFTWARE: PERL Program			
; SEQ ID NO 165			
; LENGTH: 1636			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
; FEATURE:			
; NAME/KEY: misc_feature			
; OTHER INFORMATION: Incyte ID No. US20020160382A1 2434655CB1			
US-09-981-353-165			
Query Match 66.0%; Score 330; DB 9; Length 1636;			
Best Local Similarity 100.0%; Pred. No. 1.1e-85;			
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0			
Qy	171	GATCAGTGTGTGAGGGAACGCCATCATGAGGTCGACAAGTCAGCTTTGGTATTCTGC	230
Db	1	GATCAGTGTGTGAGGGAACGCCATCATGAGGTCGACAAGTCAGCTTTGGTATTCTGC	60
Qy	231	TCCTGCAGCTCTCTGTGTGGCTGTGGAATCTGTGGGAAAGTCCTGTGTGGCCCTGTG	290
Db	61	TCCTGCAGCTCTCTGTGTGGCTGTGGAATCTGTGGGAAAGTCCTGTGTGGCCCTGTG	120
Qy	291	ACATGAGCCATTGGCTTAAATGCTCAAGGTCATTCTAGAGAGCTCATAGTGAGAGGCCATG	350
Db	121	ACATGAGCCATTGGCTTAAATGCTCAAGGTCATTCTAGAGAGCTCATAGTGAGAGGCCATG	180
Qy	351	AGGTAAACAGTATTGACTCACTCAAGGCTTCGTTAAATGACTACAGGAAGCCTTCTGCAT	410
Db	181	AGGTAAACAGTATTGACTCACTCAAGGCTTCGTTAAATGACTACAGGAAGCCTTCTGCAT	240
Qy	411	TGAAATTTGAGTGGTGCATATGCCACAGGACAGAACTGAAATGAAATATTTGTTG	470
Db	241	TGAAATTTGAGTGGTGCATATGCCACAGGACAGAACTGAAATGAAATATTTGTTG	300
Qy	471	ACCTAGCTCTGAAATGCTTTGCCAGGCTTAT	500
Db	301	ACCTAGCTCTGAAATGCTTTGCCAGGCTTAT	330
RESULT 9			
US-10-258-080-11			
; Sequence 11, Application US/10258080			
; Publication No. US20040029125A1			
; GENERAL INFORMATION:			
; APPLICANT: Incyte Genomics, Inc.			
; APPLICANT: POLICKY, Jennifer L.			
; APPLICANT: HAFALIA, April J.A.			
; APPLICANT: BURFORD, Neil			
; APPLICANT: RING, Huijun Z.			
; APPLICANT: LAL, Preeti G.			

APPLICANT: TRIBOULEY, Catherine M.
APPLICANT: YAO, Monique G.
APPLICANT: YOE, Henry
APPLICANT: TANG, Y. Tom
APPLICANT: ARVIZU, Chandra S.
APPLICANT: DAS, Debopriya
APPLICANT: SANJANWALA, Madhusudan M.
APPLICANT: GANDHI, Ameena R.
APPLICANT: REDDY, Roopa M.
APPLICANT: KHAN, Farrah A.
APPLICANT: BAUGHN, Mariah R.
APPLICANT: RAMKUMAR, Jayalaxmi
APPLICANT: GRIFFIN, Jennifer A.
APPLICANT: AU-YOUNG, Janice K.
TITLE OF INVENTION: DRUG METABOLIZING ENZYMES
FILE REFERENCE: PI-0070 USN
CURRENT APPLICATION NUMBER: US/10/258,080
CURRENT FILING DATE: 2002-10-15
PRIOR APPLICATION NUMBER: US 60/203,509
PRIOR FILING DATE: 2000-05-11
PRIOR APPLICATION NUMBER: US 60/202,234
PRIOR FILING DATE: 2000-05-05
PRIOR APPLICATION NUMBER: US 60/200,185
PRIOR FILING DATE: 2000-04-28
PRIOR APPLICATION NUMBER: US 60/198,403
PRIOR FILING DATE: 2000-04-19
PRIOR APPLICATION NUMBER: PCT/US01/11869
PRIOR FILING DATE: 2001-04-12
PRIOR APPLICATION NUMBER: US 60/197,590
PRIOR FILING DATE: 2000-04-13
NUMBER OF SEQ ID NOS: 20
SOFTWARE: PERL Program
SEQ ID NO 11
LENGTH: 1636
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: misc feature
OTHER INFORMATION: Incyte ID No. US20040029125A1 2434655CB1
US-10-258-080-11

Query Match 66.0%; Score 330; DB 17; Length 1636;
Best Local Similarity 100.0%; Pred. No. 1.1e-85;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 171 GATCAGTGTGAGGGAATGCCATCATCAGGTCTGACAAAGTCAGCTTTGGTATTTCGC 230
DB 1 GATCAGTGTGAGGGAATGCCATCATCAGGTCTGACAAAGTCAGCTTTGGTATTTCGC 60
QY 231 TCCTGAGCTCTCTGTGTGGCTGTGGATTCTGTGGGAAGTCCTGTGGCCCTGTG 290
DB 61 TCCTGAGCTCTCTGTGTGGCTGTGGATTCTGTGGGAAGTCCTGTGGCCCTGTG 120
QY 291 ACATGAGCCATTGGCTTAATGTCAAGTCTATCTAGAGAGCTCATAGTGAGAGGCCATG 350
DB 121 ACATGAGCCATTGGCTTAATGTCAAGTCTATCTAGAGAGCTCATAGTGAGAGGCCATG 180
QY 351 AGGTAA CAGTATGACTACTCAAGCCCTTCGTTAATTCAGTACAGGAAGCCCTTCGCAT 410
DB 181 AGGTAA CAGTATGACTACTCAAGCCCTTCGTTAATTCAGTACAGGAAGCCCTTCGCAT 240
QY 411 TGAATTTTCAGGTGCTCCATATGCCACAGGACAGACAGAAATGAATATTGTTG 470
DB 241 TGAATTTTCAGGTGCTCCATATGCCACAGGACAGACAGAAATGAATATTGTTG 300
QY 471 ACCTAGCTCTGAATGCTTCGCCAGGCTTAT 500
DB 301 ACCTAGCTCTGAATGCTTCGCCAGGCTTAT 330

RESULT 10
US-10-052-586-521
; Sequence 521, Application US/10052586

Publication No. US20020127584A1
GENERAL INFORMATION:
APPLICANT: Baker, Kevin P.
APPLICANT: Chen, Jian
APPLICANT: Desnoyers, Luc
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Gurney, Austin L.
APPLICANT: Pan, James
APPLICANT: Smith, Victoria
APPLICANT: Watanabe, Colin K.
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
FILE REFERENCE: P3430R1C1
CURRENT APPLICATION NUMBER: US/10/052,586
CURRENT FILING DATE: 2002-01-15
PRIOR APPLICATION NUMBER: 60/059263
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/059266
PRIOR FILING DATE: 1997-09-18
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/063120
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063121
PRIOR FILING DATE: 1997-10-24
PRIOR APPLICATION NUMBER: 60/063486
PRIOR FILING DATE: 1997-10-21
PRIOR APPLICATION NUMBER: 60/063540
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063541
PRIOR FILING DATE: 1997-10-28
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PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063564
PRIOR FILING DATE: 1997-10-28
PRIOR APPLICATION NUMBER: 60/063734
PRIOR FILING DATE: 1997-10-29
PRIOR APPLICATION NUMBER: 60/063870
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/064103
PRIOR FILING DATE: 1997-10-31
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066120
PRIOR FILING DATE: 1997-11-21
PRIOR APPLICATION NUMBER: 60/066466
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/066772
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PRIOR FILING DATE: 1997-12-12
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PRIOR FILING DATE: 1997-12-17
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PRIOR FILING DATE: 1997-12-18
PRIOR APPLICATION NUMBER: 60/077450
PRIOR FILING DATE: 1998-03-10
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PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/077649
PRIOR FILING DATE: 1998-03-11
PRIOR APPLICATION NUMBER: 60/078886
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/078939
PRIOR FILING DATE: 1998-03-20
PRIOR APPLICATION NUMBER: 60/079664
PRIOR FILING DATE: 1998-03-27
PRIOR APPLICATION NUMBER: 60/079786

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2	PRIOR FILING DATE: 1998-06-04
3	PRIOR APPLICATION NUMBER: 60/088029
4	PRIOR FILING DATE: 1998-06-04
5	PRIOR APPLICATION NUMBER: 60/088033
6	PRIOR FILING DATE: 1998-06-04
7	PRIOR APPLICATION NUMBER: 60/088167
8	PRIOR FILING DATE: 1998-06-05
9	PRIOR APPLICATION NUMBER: 60/088202
10	PRIOR FILING DATE: 1998-06-05
11	PRIOR APPLICATION NUMBER: 60/088212
12	PRIOR FILING DATE: 1998-06-05
13	PRIOR APPLICATION NUMBER: 60/088217
14	PRIOR FILING DATE: 1998-06-05
15	PRIOR APPLICATION NUMBER: 60/088326
16	PRIOR FILING DATE: 1998-06-04
17	PRIOR APPLICATION NUMBER: 60/088655
18	PRIOR FILING DATE: 1998-06-09
19	PRIOR APPLICATION NUMBER: 60/088722
20	PRIOR FILING DATE: 1998-06-10
21	PRIOR APPLICATION NUMBER: 60/088738
22	PRIOR FILING DATE: 1998-06-10
23	PRIOR APPLICATION NUMBER: 60/088740
24	PRIOR FILING DATE: 1998-06-10
25	PRIOR APPLICATION NUMBER: 60/088811
26	PRIOR FILING DATE: 1998-06-10
27	PRIOR APPLICATION NUMBER: 60/088824
28	PRIOR FILING DATE: 1998-06-10
29	PRIOR APPLICATION NUMBER: 60/088825
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31	PRIOR APPLICATION NUMBER: 60/088826
32	PRIOR FILING DATE: 1998-06-10
33	PRIOR APPLICATION NUMBER: 60/088861
34	PRIOR FILING DATE: 1998-06-11
35	PRIOR APPLICATION NUMBER: 60/088863
36	PRIOR FILING DATE: 1998-06-11
37	PRIOR APPLICATION NUMBER: 60/088876
38	PRIOR FILING DATE: 1998-06-11
39	PRIOR APPLICATION NUMBER: 60/089090
40	PRIOR FILING DATE: 1998-06-12
41	PRIOR APPLICATION NUMBER: 60/089105
42	PRIOR FILING DATE: 1998-06-12
43	PRIOR APPLICATION NUMBER: 60/089512
44	PRIOR FILING DATE: 1998-06-16
45	PRIOR APPLICATION NUMBER: 60/089514
46	PRIOR FILING DATE: 1998-06-16
47	PRIOR APPLICATION NUMBER: 60/089538
48	PRIOR FILING DATE: 1998-06-17
49	PRIOR APPLICATION NUMBER: 60/089598
50	PRIOR FILING DATE: 1998-06-17
51	PRIOR APPLICATION NUMBER: 60/089653
52	PRIOR FILING DATE: 1998-06-17
53	PRIOR APPLICATION NUMBER: 60/089908
54	PRIOR FILING DATE: 1998-06-17

	Query Match	66.0%;	Score 330;	DB 13;	Length 2974;
	Best Local Similarity	100.0%;	Pred. No. 1.4e-85;		
	Matches 330;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
Qy	171	GATCAGTGTCTGAGGGAAC	TGCCATCATGAGGTCTG	CAAGTCAGCTTTGGTATTCTTCG	230
Db	1	GATCAGTGTGTAGGGNAC	TGCCATCATGAGGTCTG	CAAGTCAGCTTTGGTATTCTTCG	60
Qy	231	TCCTGCAGCTCTTCTGTG	TGGTGTGGATTCTGTG	TGGGAAAGCTCGTGTGGCCCTGTG	290
Db	61	TCCTGCAGCTCTTCTGTG	TGGTGTGGATTCTGTG	TGGGAAAGCTCGTGTGGCCCTGTG	120
Qy	291	ACATGAGCCATTGCGTTA	TGTCAGGTCAATCTT	AGAAGAGCTCATAGTCAGAGGCCATG	350
Db	121	ACATGAGCCATTGCGTTA	TGTCAGGTCAATCTT	AGAAGAGCTCATAGTCAGAGGCCATG	180
Qy	351	AGGTAACAGTATTGAC	TCACTCAAGGCTTCG	TTAATTGATACAGGAAGCCTTCTCGAT	410
Db	181	AGGTAACAGTATTGAC	TCACTCAAGGCTTCG	TTAATTGATACAGGAAGCCTTCTCGAT	240

QY 411 TGAATTTGAGTGGTCCATATGCCACAGCAGACAGAAATGAAATATTGTTG 470
DB 241 TGAATTTGAGTGGTCCATATGCCACAGCAGACAGAAATGAAATATTGTTG 300
QY 471 ACCTAGCTCTGAATGCTTTGCCAGGCTTAT 500
DB 301 ACCTAGCTCTGAATGCTTTGCCAGGCTTAT 330

RESULT 11

US-10-174-590-521
; Sequence 521, Application US/10174590
; Publication No. US20030008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-174-590-521

Query Match 66.0%; Score 330; DB 14; Length 2974;

Best Local Similarity 100.0%; Pred. No. 1.4e-85;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 171 GATCAGTGTGAGGGAACCTGCATCATGAGTCTGACAAAGTCAGCTTTGGTATTCTGC 230
DB 1 GATCAGTGTGAGGGAACCTGCATCATGAGTCTGACAAAGTCAGCTTTGGTATTCTGC 60
QY 231 TCCTGAGCTCTTCTGTGTGGCTGTGGATTCTGTGGAAAGTCCTGGTGTGGCCCTGTG 290
DB 61 TCCTGAGCTCTTCTGTGTGGCTGTGGATTCTGTGGAAAGTCCTGGTGTGGCCCTGTG 120
QY 291 ACATGAGCCATTGGCTTAATGTCAAGGCTCATTTAGAGAGCTCATAGTGAGAGGCCATG 350
DB 121 ACATGAGCCATTGGCTTAATGTCAAGGCTCATTTAGAGAGCTCATAGTGAGAGGCCATG 180
QY 351 AGTAAACAGTATTGACTCACTCAAAAGCCTTCGTTAATTGACTACAGGAAGCCTTCTGCAT 410
DB 181 AGTAAACAGTATTGACTCACTCAAAAGCCTTCGTTAATTGACTACAGGAAGCCTTCTGCAT 240
QY 411 TGAATTTGAGTGTGCTCATATGCCACAGCAGACAGAAATGAAATATTGTTG 470
DB 241 TGAATTTGAGTGTGCTCATATGCCACAGCAGACAGAAATGAAATATTGTTG 300
QY 471 ACCTAGCTCTGAATGCTTTGCCAGGCTTAT 500
DB 301 ACCTAGCTCTGAATGCTTTGCCAGGCTTAT 330

RESULT 12

US-10-176-758-521
; Sequence 521, Application US/10176758
; Publication No. US2003000835A1
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-758-521

Query Match 66.0%; Score 330; DB 14; Length 2974;

Best Local Similarity 100.0%; Pred. No. 1.4e-85;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 171 GATCAGTGTGAGGGAACCTGCATCATGAGTCTGACAAAGTCAGCTTTGGTATTCTGC 230
DB 1 GATCAGTGTGAGGGAACCTGCATCATGAGTCTGACAAAGTCAGCTTTGGTATTCTGC 60
QY 231 TCCTGAGCTCTTCTGTGTGGCTGTGGATTCTGTGGAAAGTCCTGGTGTGGCCCTGTG 290
DB 61 TCCTGAGCTCTTCTGTGTGGCTGTGGATTCTGTGGAAAGTCCTGGTGTGGCCCTGTG 120
QY 291 ACATGAGCCATTGGCTTAATGTCAAGGCTCATTTAGAGAGCTCATAGTGAGAGGCCATG 350
DB 121 ACATGAGCCATTGGCTTAATGTCAAGGCTCATTTAGAGAGCTCATAGTGAGAGGCCATG 180
QY 351 AGTAAACAGTATTGACTCACTCAAAAGCCTTCGTTAATTGACTACAGGAAGCCTTCTGCAT 410
DB 181 AGTAAACAGTATTGACTCACTCAAAAGCCTTCGTTAATTGACTACAGGAAGCCTTCTGCAT 240
QY 411 TGAATTTGAGTGTGCTCATATGCCACAGCAGACAGAAATGAAATATTGTTG 470
DB 241 TGAATTTGAGTGTGCTCATATGCCACAGCAGACAGAAATGAAATATTGTTG 300
QY 471 ACCTAGCTCTGAATGCTTTGCCAGGCTTAT 500
DB 301 ACCTAGCTCTGAATGCTTTGCCAGGCTTAT 330

RESULT 13

US-10-175-737-521

; Sequence 521, Application US/10175737

; Publication No. US20030013153A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; FILE REFERENCE: P3430R1C50

; CURRENT APPLICATION NUMBER: US/10/175,737

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; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-175-737-521

Query Match
Best Local Similarity 66.0%; Score 330; DB 14; Length 2974;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 171 GATCAGTGTGTGAGGAACTGCCATCATGAGGCTCTGCAAGTCAGCTTGTGTAATTTCTGC 230
    |||||
Db 1 GATCAGTGTGTGAGGAACTGCCATCATGAGGCTCTGCAAGTCAGCTTGTGTAATTTCTGC 60

Qy 231 TCCTGACGCTCTCTGTGTGGCTGTGATCTCTGGGAAAGTCTCTGGTGGCCCTGTG 290
    |||||
Db 61 TCCTGACGCTCTCTGTGTGGCTGTGATCTCTGGGAAAGTCTCTGGTGGCCCTGTG 120

Qy 291 ACATGAGCCATTGGCTTAATGTCAAGGTCATTCTAGAAGAGCTCATAGTGAGAGGCCATG 350
    |||||
Db 121 ACATGAGCCATTGGCTTAATGTCAAGGTCATTCTAGAAGAGCTCATAGTGAGAGGCCATG 180

Qy 351 AGGTAACAGTATTGACTCACTCAAAGCCTTGTTTAATGACTACAGGAAGCCTTCTGCAT 410
    |||||
Db 181 AGGTAACAGTATTGACTCACTCAAAGCCTTGTTTAATGACTACAGGAAGCCTTCTGCAT 240

Qy 411 TGAATTTGAGGTGGTGCATATGCCACAGACAGACAGAAAGAAATGAATATTTGTTG 470
    |||||
Db 241 TGAATTTGAGGTGGTGCATATGCCACAGACAGACAGAAAGAAATGAATATTTGTTG 300

Qy 471 ACCTAGCTCTGAATGCTTTGCGAGGCTTAT 500
    |||||
Db 301 ACCTAGCTCTGAATGCTTTGCGAGGCTTAT 330

RESULT 14
US-10-174-581-521
; Sequence 521, Application US/10174581
; Publication No. US20030017540A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C41
; CURRENT APPLICATION NUMBER: US/10/174,581
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: 10/052586
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
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; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
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; PRIOR FILING DATE: 1998-06-10
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; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088863
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089598
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653

Query Match 66.0%; Score 330; DB 14; Length 2974;
Best Local Similarity 100.0%; Pred. No. 1.4e-85;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 171 GATCAGTGTGTCAGGGAAGTCCATCATGAGGTCTGACAAAGTCAGCTTTGGTATTCTGC 230
   |||||
Db 1 GATCAGTGTGTCAGGGAAGTCCATCATGAGGTCTGACAAAGTCAGCTTTGGTATTCTGC 60

QY 231 TCCTGCAGCTCTTCGTGTGTGGCTGTGGATTCTGTGGAAAGTCCTGGTGTGCCCTGTG 290
   |||||
Db 61 TCCTGCAGCTCTTCGTGTGTGGCTGTGGATTCTGTGGAAAGTCCTGGTGTGCCCTGTG 120

QY 291 ACATGAGCCATTGGCTTAATGTCAAAGTCAATCTTAGAAGAGCTCATAGTGAAGGCCATG 350
   |||||
Db 121 ACATGAGCCATTGGCTTAATGTCAAAGTCAATCTTAGAAGAGCTCATAGTGAAGGCCATG 180

QY 351 AGGTAACAGTATTGACTCACTCAAAAGCCTTCGTTAATTGACTACAGGAGCCCTTGCAT 410
   |||||
Db 181 AGGTAACAGTATTGACTCACTCAAAAGCCTTCGTTAATTGACTACAGGAGCCCTTGCAT 240

QY 411 TGAATAATTTGAGGTGTCATATGCCACAGGACAGAACAGAAATGAATATTGTTG 470
   |||||
Db 241 TGAATAATTTGAGGTGTCATATGCCACAGGACAGAACAGAAATGAATATTGTTG 300

QY 471 ACCTAGCTCTGAATGCTTTGCCAGGCTTAT 500
   |||||
Db 301 ACCTAGCTCTGAATGCTTTGCCAGGCTTAT 330
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RESULT 15

US-10-176-483-521

; Sequence 521, Application US/10176483

; Publication No. US20030017541A1

; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.

; APPLICANT: Chen, Jian

; APPLICANT: Desnoyers, Luc

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.

; APPLICANT: Pan, James

; APPLICANT: Smith, Victoria

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

; TITLE OF INVENTION: ACIDS ENCODING THE SAME

; FILE REFERENCE: P3430RIC68

; CURRENT APPLICATION NUMBER: US/10/176,483

; CURRENT FILING DATE: 2002-06-20

; Prior application removed - See File Wrapper or Palm

; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-483-521

Query Match 66.0%; Score 330; DB 14; Length 2974;
Best Local Similarity 100.0%; Pred. No. 1.4e-85;
Matches 330; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	171	GATCAGTGTGTGAGGGAACGCCATCATGAGGTCTGCAAGTCAGCTTGGTATTTCTGC	230
Db	1	GATCAGTGTGTGAGGGAACGCCATCATGAGGTCTGCAAGTCAGCTTGGTATTTCTGC	60
Qy	231	TCCTGCAGCTCTTCTGTGTTGGCTGTGGAATTCCTGGGAAAGTCCTGGTGGCCCTGTG	290
Db	61	TCCTGCAGCTCTTCTGTGTTGGCTGTGGAATTCCTGGGAAAGTCCTGGTGGCCCTGTG	120
Qy	291	ACATGAGCCATTGGCTTAAATGTCAAGGTCAATTTCTAGAAGAGCTCATAGTGAGAGGCCATG	350
Db	121	ACATGAGCCATTGGCTTAAATGTCAAGGTCAATTTCTAGAAGAGCTCATAGTGAGAGGCCATG	180
Qy	351	AGTTAACAGTATTGACTCACTCAAGCCCTTCGTTAATTGACTACAGGAAGCCTTCTGCAT	410
Db	181	AGTTAACAGTATTGACTCACTCAAGCCCTTCGTTAATTGACTACAGGAAGCCTTCTGCAT	240
Qy	411	TGAAATTTGAGGTGGTCCATATGCCACAGACAGACAGAAATGAAATATTTGTTG	470
Db	241	TGAAATTTGAGGTGGTCCATATGCCACAGACAGACAGAAATGAAATATTTGTTG	300
Qy	471	ACCTAGCTCTGAATGTCTTCCAGGCTTAT	500
Db	301	ACCTAGCTCTGAATGTCTTCCAGGCTTAT	330

Search completed: April 5, 2005, 06:52:58
Job time : 313.393 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: April 4, 2005, 22:53:29 ; Search time 175.237 Seconds
(without alignments)
9346.853 Million cell updates/sec

Title: US-09-784-340-3_COPY_18000_19000

Perfect score: 1001

Sequence: 1 cgcttcagtgagttatctcg.....tctgttcacaaaatgttt 1001

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA.*

- 1: /cgn2_6/ptodata/1/ina/5A COMB.seq.*
- 2: /cgn2_6/ptodata/1/ina/5B COMB.seq.*
- 3: /cgn2_6/ptodata/1/ina/6A COMB.seq.*
- 4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*
- 5: /cgn2_6/ptodata/1/ina/PCTUS COMB.seq.*
- 6: /cgn2_6/ptodata/1/ina/backfiles.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	230.2	23.0	2966	4	US-09-976-594-241
2	189.6	18.9	20441	4	US-09-949-016-14476
3	187.2	18.7	18373	4	US-09-949-016-14338
4	187.2	18.7	18452	4	US-09-949-016-14337
5	186.4	18.6	596	4	US-09-356-806-45
6	184.6	18.4	1589	4	US-09-356-806-6
7	182.6	18.2	1001	4	US-09-671-317-352
8	181.4	18.1	1001	4	US-09-671-317-353
9	181.4	18.1	19732	4	US-09-949-016-12870
10	181.4	18.1	19732	4	US-09-949-016-14923
11	181.4	18.1	19733	4	US-09-949-016-14336
12	180.8	18.1	2092	4	US-09-356-806-7
13	180.8	18.1	2093	4	US-09-949-016-1128
14	179.2	17.9	1001	4	US-09-671-317-424
15	178	17.8	1001	4	US-09-671-317-354
16	177.6	17.7	978	4	US-09-356-806-118
17	177.6	17.7	2092	4	US-09-949-016-2594
18	177.6	17.7	2092	4	US-09-949-016-3181
19	177	17.7	1413	3	US-09-813-318-1
20	177	17.7	1413	4	US-10-060-311-1
21	177	17.7	1629	4	US-09-949-016-2596
22	177	17.7	1708	4	US-09-949-016-2595
23	177	17.7	1832	4	US-09-949-016-2734
24	177	17.7	1854	4	US-09-356-806-39
25	168.8	16.9	601	4	US-09-949-016-94479
26	168.8	16.9	2107	3	US-09-180-852-1
27	167	16.7	1976	4	US-09-356-806-112

28	165.6	16.5	1001	4	US-09-671-317-405
29	154.2	15.4	1602	4	US-09-356-806-117
30	154.2	15.4	20599	4	US-09-949-016-14477
31	154.2	15.4	20599	4	US-09-949-016-14478
32	150	15.0	1591	4	US-09-356-806-44
33	149	14.9	689	4	US-09-356-806-5
34	145.4	14.5	1323	4	US-09-949-016-2735
35	145.4	14.5	1323	4	US-09-949-016-2736
36	141.6	14.1	1001	4	US-09-671-317-404
37	128.8	12.9	983	4	US-09-671-317-386
38	106.4	10.6	735	4	US-09-305-856B-17
39	106.4	10.6	2351	4	US-09-949-016-76
40	106.4	10.6	2351	4	US-09-949-016-1813
41	106.4	10.6	17020	4	US-09-949-016-11818
42	106.4	10.6	17021	4	US-09-949-016-13555
43	106	10.6	601	4	US-09-949-016-19330
44	106	10.6	601	4	US-09-949-016-62934
45	104.8	10.5	2336	5	PCT-US92-00282-1

ALIGNMENTS

RESULT 1

US-09-976-594-241
; Sequence 241, Application US/09976594
; Patent No. 6673549
; GENERAL INFORMATION:
; APPLICANT: Furness, Michael
; APPLICANT: Buchbinder, Jenny
; TITLE OF INVENTION: GENES EXPRESSED IN C3A LIVER CELL CULTURES TREATED WITH STEROIDS
; FILE REFERENCE: PA-0041 US
; CURRENT APPLICATION NUMBER: US/09/976,594
; CURRENT FILING DATE: 2001-10-12
; PRIOR APPLICATION NUMBER: 60/240,409
; PRIOR FILING DATE: 2000-10-12
; NUMBER OF SEQ ID NOS: 1143
; SOFTWARE: PERL Program
; SEQ ID NO 241
; LENGTH: 2966
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6673549 997080.1
US-09-976-594-241

Query Match	23.0%	Score	230.2	DB	4	Length	2966
Best Local Similarity	96.7%	Pred. No.	7.1e-59				
Mismatches	235	Conservative	0	Mismatches	8	Indels	0
Gaps	0						
Qy	759	GTGTTTTTCCCTTCCAGTTATAAGAGAAATGCTATGAGATTATCAAGAAATTCACCATGAT	818				
Db	1317	GTCAATACCAATTCCTCTTATAAGAGAAATGCTATGAGATTATCAAGAAATTCACCATGAT	1376				
Qy	819	CAACCTGTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTGTCGCGCCACAAA	878				
Db	1377	CAACCTGTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTGTCGCGCCACAAA	1436				
Qy	879	GGAGCCCAAGCACCTGGGATCAGCTGCCCATGACCTACCTGGTTCAGCAGCTACTCTATATA	938				
Db	1437	GGAGCCCAAGCACCTGGGATCAGCTGCCCATGACCTACCTGGTTCAGCAGCTACTCTATATA	1496				
Qy	939	GATGTGATTTGGTTCTCTGCTGACCTGTGTGCGCACTGCTATATTCTTTGTTTCACAAAATGT	998				
Db	1497	GATGTGATTTGGTTCTCTGCTGACCTGTGTGCGCACTGCTATATTCTTTGTTTCACAAAATGT	1556				
Qy	999	TTT 1001					
Db	1557	TTT 1559					

RESULT 2

US-09-949-016-14476
; Sequence 14476, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14476
; LENGTH: 20441
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(20441)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14476

Query Match 18.9%; Score 189.6; DB 4; Length 20441;
Best Local Similarity 81.7%; Pred. No. 4e-46;
Matches 219; Conservative 0; Mismatches 49; Indels 0; Gaps 0;

QY 734 AACTCAACCTTCTTAAGTCTATAGTGTGTTTCCCTCCAGTTATAAGAGAAATGCTAT 793
Db 17869 AACTCTCTCGTACATTACTGCTTTATTTATCTTTCAGATATAAGAGAAATGTTAT 17928

QY 794 GAGATTATCAAGAAATCCACATGATCAACCTGTAAGCCCTAGATCGAGCAGTCTTCG 853
Db 17929 GAAATATCAAGAAATCAACATGATCAACGATGAAGCCCTGGATCGAGCAGTCTTCG 17988

QY 854 GATCGAGTTTGTATCGCGCCACAAAGAGCCACCTGCGATCAGCTGCCCATGACCT 913
Db 17989 GATTGAATTTGTATCGCGCCACAAAGAGCTAAACACCTTCGGTTGCGAGCCACGACCT 18048

QY 914 CACCTGGTTCAGACATCTATATAGATGTGATTTGGTTTCTGCTGACCTGTGTGGCAAC 973
Db 18049 CACCTGGTTCAGATACCACTCTTTGATGTGATTTGGTTTCTGCTGCTGTGTGTGGCAAC 18108

QY 974 TGCTATATCTTCTTCACAAATGTTTT 1001
Db 18109 TGTGATATTTATGTCGCACAAATGTTGT 18136

RESULT 3
US-09-949-016-14338
; Sequence 14338, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14338

; LENGTH: 18373
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(18373)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14338

Query Match 18.7%; Score 187.2; DB 4; Length 18373;
Best Local Similarity 77.0%; Pred. No. 2e-45;
Matches 228; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

QY 706 TTTATCTACGTCCTTTTATGAAACAAACATACAACTTCTTAAGTCTTATCTGTGTTTT 765
Db 15995 TTCATAGACTTGTATGTACAGGCAAAATTAACCTTACTTGTGTGTTATCTTTT 16054

QY 766 TCCCTTCCAGTTATAAAGAGAAATGCTATGAGATTATCAAGAAATTCACCATGATCAACCTG 825
Db 16055 TATCCTTCAGATATAAAGAGAAATATTGAAATTCAGAAATTCACATGATCAACCG 16114

QY 826 TAAAGCCCTAGATCGAGCAGTCTTCTGATCGAGTTTGTCTATGCGCCACAAAGAGCCA 885
Db 16115 TAAAGCCCTGATCGAGCAGTCTTCTGATGGAATTTGTCTATGCGCCACAAAGAGCCA 16174

QY 886 AGCAGCTGGATCAGCTGCCATGACCTCACCTGGTTCAGCAGCTACTCTATAGATGCA 945
Db 16175 AACACCTTCGAGTTGCGAGCCGCTGACCTCACCTGGTTCAGTACCACTCTTTTGGATGGA 16234

QY 946 TTGGGTTCTGCTGACCTGTGTGCAACTGCTATATTCTTGTTCACAAATGTTTT 1001
Db 16235 TTGGGTTCTGCTGCTGTGTGCAACTGTCACATTTATCATCAAAAGTGTGT 16290

RESULT 4

US-09-949-016-14337
; Sequence 14337, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14337
; LENGTH: 18452
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(18452)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14337

Query Match 18.7%; Score 187.2; DB 4; Length 18452;
Best Local Similarity 77.0%; Pred. No. 2e-45;
Matches 228; Conservative 0; Mismatches 68; Indels 0; Gaps 0;

QY 706 TTTATCTACGTCCTTTTATGAAACAAACATACAACTTCTTAAGTCTTATCTGTGTTTT 765
Db 15994 TTCATAGACTTGTATGTACAGGCAAAATTAACCTTACTTTCAGTGTGTGTTATCTTTT 16053

QY 766 TCCCTTCCAGTTATAAAGAGAAATGCTATGAGATTATCAAGAAATTCACCATGATCAACCTG 825

Db 16054 TATCTTCAGATATAAGAGAAATATTATGAATATATCAAGAAATTCACATGATCAACAG 16113
Qy 826 TAAAGCCCTAGATCGAGCAGCTTCTCGATCGAGTTTGTCTATCGGCCACAAAGGAGCCA 885
Db 16114 TAAAGCCCTGATCGAGCAGCTTCTCGATGGAATTTGTATCGGCCACAAAGGAGCCA 16173
Qy 886 AGCACCTGCGATAGCTGCGCCATGACCTCACTCGGTTCCAGCAGCTACTCTATAGATGTA 945
Db 16174 AACACCTTCGAGTTGCGAGCCGTCACCTCACTCGGTTCCAGTACCACTCTTTGGATGTA 16233
Qy 946 TTGGGTTCTGCTGACCTGTGTCGCACTGCTATATCTTCTTCCACAAATGTTTT 1001
Db 16234 TTGGGTTCTGCTGCTGTCGCACTGTGACATTTATCATCACAAAGTGTGT 16289

RESULT 5

US-09-356-806-45
; Sequence 45, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret
; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; TITLE OF INVENTION: 2B15 (UGT2B15) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356,806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 45
; LENGTH: 596
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: exon
; LOCATION: (19)...(549)
US-09-356-806-45

Query Match 18.6%; Score 186.4; DB 4; Length 596;
Best Local Similarity 85.2%; Pred. No. 5e-46;
Matches 208; Conservative 0; Mismatches 36; Indels 0; Gaps 0;

Qy 758 TGTGTTTTCCTCCAGTTATAAGAGAAATGCTATGAGATTATCAAGAAATTCACCAATGA 817
Db 2 TTTATTTTATCTTTCAGATATAAGAGAAATGTTATGAAATTCACAAATTCACCAATGA 61
Qy 818 TCACCTGTAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTCTATGCGCCACAA 877
Db 62 TCACCACTGAAGCCCTGGATCGAGCAGTCTTCTGGATGAAATTTGTATGCGCCACAA 121
Qy 878 AGGAGCAAGCACTGGGATCGAGTCTGCGCCATGACCTCACTGGTTCCAGCAGCTACTCTAT 937
Db 122 AGGAGCTAAACACCTTCGGGTTGCGAGCCAGCCTCACTGGTTCCAGTACCACTCTTT 181
Qy 938 AGATGTGATGGGTTCTGCTGACCTGTGTGGCACTGCTATATCTTGTTCACAAATG 997
Db 182 GGATGTGATGGGTTCTGCTGCTGGTCTGTGTGGCACTGTGATATTTATTCGTACAAATG 241
Qy 998 TTTT 1001
Db 242 TTGT 245

RESULT 6

US-09-356-806-6
; Sequence 6, Application US/09356806
; Patent No. 6586175
; GENERAL INFORMATION:
; APPLICANT: Penny, Laura
; APPLICANT: Galvin, Margaret

; APPLICANT: Miller, Andrew
; APPLICANT: Reidy, Michael
; TITLE OF INVENTION: Genotyping Human
; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and
; TITLE OF INVENTION: 2B15 (UGT2B15) Genes
; FILE REFERENCE: SEQ-22PRV2
; CURRENT APPLICATION NUMBER: US/09/356,806
; CURRENT FILING DATE: 1999-07-20
; NUMBER OF SEQ ID NOS: 164
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 6
; LENGTH: 1589
; TYPE: DNA
; ORGANISM: H. sapiens
; FEATURE:
; NAME/KEY: Other
; LOCATION: (731)...(1475)
US-09-356-806-6

Query Match 18.4%; Score 184.6; DB 4; Length 1589;
Best Local Similarity 84.2%; Pred. No. 3.1e-45;
Matches 208; Conservative 0; Mismatches 39; Indels 0; Gaps 0;

Qy 754 TATGTGTGTTTTTCCCTTCCAGTTATAAGAGAAATGCTATGAGATTATCAAGAAATTCACC 813
Db 709 TACTTTTCTGCTTATCGTTTATAGATATAAGAGAAATGCTATGAAATTCAGAAATTCATC 768
Qy 814 ATGATCAACCTGTAAAGCCCTAGATCGAGCAGTCTTCTGATCGAGTTTGTCTATGCGCC 873
Db 769 ATGATCAACCACTGAGAGCCCTTGTATCGAGCAGTCTTCTGATGAAATTTGTCTATGCGCC 828
Qy 874 ACAAGGAGCCAAAGCAGCTGCGATCAGCTGCCATGACCTCACCTGGTTCCAGCAGTACT 933
Db 829 ATAAGGAGCCAAAGCAGCTTCCGGTTGCGAGCCACAGCCTCACCTGGTTCCAGTACCACT 888
Qy 934 CTATAGATGATGGGTTCTGCTGACCTGTGTGGCACTGCTATATCTTGTTCACAA 993
Db 889 CTTTGGATGTGACTGGGTTCTGCTGCTGCTGTGGCACTGTGATATTCATCATCAAA 948
Qy 994 AATGTTT 1000
Db 949 AATGCT 955

RESULT 7

US-09-671-317-352
; Sequence 352, Application US/09671317
; Patent No. 6528260
; GENERAL INFORMATION:
; APPLICANT: Blumenfeld, Marta
; APPLICANT: Chumakov, Ilya
; APPLICANT: Bougueleret, Lydie
; APPLICANT: Cohen, Annick
; TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
; FILE REFERENCE: 62.US3.CIP
; CURRENT APPLICATION NUMBER: US/09/671,317
; CURRENT FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: US 09/536,178
; PRIOR FILING DATE: 2000-03-23
; PRIOR APPLICATION NUMBER: PCT/IB00/00403
; PRIOR FILING DATE: 2000-03-24
; PRIOR APPLICATION NUMBER: US 60/126,269
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: US 60/131,961
; PRIOR FILING DATE: 1999-04-30
; NUMBER OF SEQ ID NOS: 977
; SOFTWARE: Patent.pm
; SEQ ID NO 352
; LENGTH: 1001
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: allele

LOCATION: 503
OTHER INFORMATION: 10-471-84 : polymorphic base A or T
NAME/KEY: misc_binding
LOCATION: 484..502
OTHER INFORMATION: 10-471-84.misl
NAME/KEY: misc_binding
LOCATION: 504..523
OTHER INFORMATION: 10-471-84.mis2, potential complement
NAME/KEY: primer_bind
LOCATION: 420..439
OTHER INFORMATION: upstream amplification primer
NAME/KEY: primer_bind
LOCATION: 788..807
OTHER INFORMATION: downstream amplification primer, complement
NAME/KEY: misc_binding
LOCATION: 491..515
OTHER INFORMATION: 10-471-84 potential probe
US-09-671-317-352

Query Match 18.2%; Score 182.6; DB 4; Length 1001;
Best Local Similarity 83.4%; Pred. No. 9.5e-45;
Matches 206; Conservative 1; Mismatches 40; Indels 0; Gaps 0;
QY 754 TATGTGTGTTTTCCTTCCAGTTATAAGAGAGATGCTATGAGATTATCAAGAATTCACC 813
DB 418 TACTTTTCGCTTATCGTTTAGATATAAGAGAGATGCTATGAAATTCAGAATTCATC 477
QY 814 ATGATCAACTGTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGCATCGGCC 873
DB 478 ATGATCAACGAGTGAAGCCCTTGAAGAGCAGTCTTCTGGATTGAATTTGTCATCGGCC 537
QY 874 ACAAGGAGCCAGCACTCGCATACGTCGCCATGACCTCACCTGGTTCCAGCACTACT 933
DB 538 ATAAAGAGCCAAAGCACTTCGGGTTGCGAGCCACGACCTCACCTGGTTCCAGTACT 597
QY 934 CTATAGATGTGATGGGTTCTGCTGACCTGTGTGGCAACTGTATATTTCTTTTCACAA 993
DB 598 CTTTGATGTGACTGGGTTCTGCTGGCCTGTGTGGCAACTGTATATTCATCATCACAA 657
QY 994 AATGTTT 1000
DB 658 AATGTCT 664

RESULT 8
US-09-671-317-353
Sequence 353, Application US/09671317
Patent No. 6528260
GENERAL INFORMATION:
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
APPLICANT: Bougueleret, Lydie
APPLICANT: Cohen, Annick
TITLE OF INVENTION: BIALLELIC MARKERS RELATED TO GENES INVOLVED IN DRUG METABOLISM
FILE REFERENCE: 62 US3.CIP
CURRENT APPLICATION NUMBER: US/09/671,317
CURRENT FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 09/536,178
PRIOR FILING DATE: 2000-03-23
PRIOR APPLICATION NUMBER: PCT/IB00/00403
PRIOR FILING DATE: 2000-03-24
PRIOR APPLICATION NUMBER: US 60/126,269
PRIOR FILING DATE: 1999-03-25
PRIOR APPLICATION NUMBER: US 60/131,961
PRIOR FILING DATE: 1999-04-30
NUMBER OF SEQ ID NOS: 977
SOFTWARE: Patent.pn
SEQ ID NO 353
LENGTH: 1001
TYPE: DNA
ORGANISM: Homo Sapiens
FEATURE:
NAME/KEY: allele

LOCATION: 503
OTHER INFORMATION: 10-471-85 : polymorphic base A or C
NAME/KEY: misc_binding
LOCATION: 483..502
OTHER INFORMATION: 10-471-85.misl, potential
NAME/KEY: misc_binding
LOCATION: 505..523
OTHER INFORMATION: 10-471-85.mis2, complement
NAME/KEY: primer_bind
LOCATION: 420..439
OTHER INFORMATION: upstream amplification primer
NAME/KEY: primer_bind
LOCATION: 788..807
OTHER INFORMATION: downstream amplification primer, complement
NAME/KEY: misc_binding
LOCATION: 491..515
OTHER INFORMATION: 10-471-85 potential probe
US-09-671-317-353

Query Match 18.1%; Score 181.4; DB 4; Length 1001;
Best Local Similarity 83.4%; Pred. No. 2.2e-44;
Matches 206; Conservative 0; Mismatches 41; Indels 0; Gaps 0;
QY 754 TATGTGTGTTTTCCTTCCAGTTATAAGAGAGATGCTATGAGATTATCAAGAATTCACC 813
DB 418 TACTTTTCGCTTATCGTTTAGATATAAGAGAGATGCTATGAAATTCAGAATTCATC 477
QY 814 ATGATCAACTGTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGCATCGGCC 873
DB 478 ATGATCAACGAGTGAAGCCCTTGAAGAGCAGTCTTCTGGATTGAATTTGTCATCGGCC 537
QY 874 ACAAGGAGCCAGCACTCGCATACGTCGCCATGACCTCACCTGGTTCCAGCACTACT 933
DB 538 ATAAAGAGCCAAAGCACTTCGGGTTGCGAGCCACGACCTCACCTGGTTCCAGTACT 597
QY 934 CTATAGATGTGATGGGTTCTGCTGACCTGTGTGGCAACTGTATATTTCTTTTCACAA 993
DB 598 CTTTGATGTGACTGGGTTCTGCTGGCCTGTGTGGCAACTGTATATTCATCATCACAA 657
QY 994 AATGTTT 1000
DB 658 AATGTCT 664

RESULT 9
US-09-949-016-12870
Sequence 12870, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001307
CURRENT APPLICATION NUMBER: US/09/949,016
CURRENT FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/241,755
PRIOR FILING DATE: 2000-10-20
PRIOR APPLICATION NUMBER: 60/237,768
PRIOR FILING DATE: 2000-10-03
PRIOR APPLICATION NUMBER: 60/231,498
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 12870
LENGTH: 19732
TYPE: DNA
ORGANISM: Human
US-09-949-016-12870
Query Match 18.1%; Score 181.4; DB 4; Length 19732;
Best Local Similarity 83.4%; Pred. No. 1.2e-43;
Matches 206; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

Qy 754 TATGTGTGTTTTCCCTTCCAGTTTATAAAGAGAATGCTATGAGATTATCAAGAATTCACC 813
|||
Db 16966 TACTTTTCTGTTATCGTTTAGATATAAAGAGAATGCTATGAATATCAAGAATTCATC 17025
|||
Qy 814 ATGATCAACCTGTAAGCCCTTAGATCGAGCAGTCTTCTGATCGAGTTTGTCTATGCGCC 873
|||
Db 17026 ATGATCAACCAAGTGAAGCCCTTGAAGAGCAGTCTTCTGATGAATTTGTCTATGCGCC 17085
|||
Qy 874 ACAAAGGAGCAACCACTGCGATCAGCTGCCATGACCTCACTCTGTTCCAGCACTACT 933
|||
Db 17086 ACAAAGGAGCAACCACTCGGTTGAGCCCAAGCACTCACTCTGTTCCAGTACCCT 17145
|||
Qy 934 CTATAGATGATGTTGGTCTCTGTCGACCTGTGTGGCAACTGCTATATTTCTGTTCAAA 993
|||
Db 17146 CTTTGGATGACTGGGTTCTGCTGGCCTGTGTGGCAACTGTGATATTCATCATCAAA 17205
|||
Qy 994 AATGTTT 1000
|||
Db 17206 AATGTCT 17212
|||

RESULT 10

US-09-949-016-14923

; Sequence 14923, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE REFERENCE: C0001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 14923

; LENGTH: 19732

; TYPE: DNA

; ORGANISM: Human

; US-09-949-016-14923

Query Match 18.1%; Score 181.4; DB 4; Length 19732;

Best Local Similarity 83.4%; Pred. No. 1.2e-43;

Matches 206; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

Qy 754 TATGTGTGTTTTCCCTTCCAGTTTATAAAGAGAATGCTATGAGATTATCAAGAATTCACC 813
|||
Db 16966 TACTTTTCTGTTATCGTTTAGATATAAAGAGAATGCTATGAATATCAAGAATTCATC 17025
|||
Qy 814 ATGATCAACCTGTAAGCCCTTAGATCGAGCAGTCTTCTGATCGAGTTTGTCTATGCGCC 873
|||
Db 17026 ATGATCAACCAAGTGAAGCCCTTGAAGAGCAGTCTTCTGATGAATTTGTCTATGCGCC 17085
|||
Qy 874 ACAAAGGAGCAACCACTGCGATCAGCTGCCATGACCTCACTCTGTTCCAGCACTACT 933
|||
Db 17086 ACAAAGGAGCAACCACTCGGTTGAGCCCAAGCACTCACTCTGTTCCAGTACCCT 17145
|||
Qy 934 CTATAGATGATGTTGGTCTCTGTCGACCTGTGTGGCAACTGCTATATTTCTGTTCAAA 993
|||
Db 17146 CTTTGGATGACTGGGTTCTGCTGGCCTGTGTGGCAACTGTGATATTCATCATCAAA 17205
|||
Qy 994 AATGTTT 1000
|||
Db 17206 AATGTCT 17212
|||

RESULT 11

US-09-949-016-14336

; Sequence 14336, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE REFERENCE: C0001307

; Sequence 14336, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; FILE REFERENCE: C0001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 14336

; LENGTH: 19733

; TYPE: DNA

; ORGANISM: Human

; US-09-949-016-14336

Query Match 18.1%; Score 181.4; DB 4; Length 19733;

Best Local Similarity 83.4%; Pred. No. 1.2e-43;

Matches 206; Conservative 0; Mismatches 41; Indels 0; Gaps 0;

Qy 754 TATGTGTGTTTTCCCTTCCAGTTTATAAAGAGAATGCTATGAGATTATCAAGAATTCACC 813
|||
Db 16966 TACTTTTCTGTTATCGTTTAGATATAAAGAGAATGCTATGAATATCAAGAATTCATC 17025
|||
Qy 814 ATGATCAACCTGTAAGCCCTTAGATCGAGCAGTCTTCTGATCGAGTTTGTCTATGCGCC 873
|||
Db 17026 ATGATCAACCAAGTGAAGCCCTTGAAGAGCAGTCTTCTGATGAATTTGTCTATGCGCC 17085
|||
Qy 874 ACAAAGGAGCAACCACTGCGATCAGCTGCCATGACCTCACTCTGTTCCAGCACTACT 933
|||
Db 17086 ACAAAGGAGCAACCACTTTCGGGTTGCGAGCCCAAGCACTCACTCTGTTCCAGTACCCT 17145
|||
Qy 934 CTATAGATGATGTTGGTCTCTGTCGACCTGTGTGGCAACTGCTATATTTCTGTTCAAA 993
|||
Db 17146 CTTTGGATGACTGGGTTCTGCTGGCCTGTGTGGCAACTGTGATATTCATCATCAAA 17205
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Qy 994 AATGTTT 1000
|||
Db 17206 AATGTCT 17212
|||

RESULT 12

US-09-356-806-7

; Sequence 7, Application US/09356806

; Patent No. 6586175

; GENERAL INFORMATION:

; APPLICANT: Penny, Laura

; APPLICANT: Galvin, Margaret

; APPLICANT: Miller, Andrew

; APPLICANT: Reidy, Michael

; TITLE OF INVENTION: Genotyping Human

; TITLE OF INVENTION: UDP-Glucuronosyltransferase 2B4 (UGT2B4), 2B7 (UGT2B7) and

; FILE REFERENCE: SEQ-22PRV2

; CURRENT APPLICATION NUMBER: US/09/356,806

; CURRENT FILING DATE: 1999-07-20

; NUMBER OF SEQ ID NOS: 164

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 7

; LENGTH: 2092

; TYPE: DNA

; ORGANISM: H. sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (38)...(1621)

; US-09-356-806-7

Search completed: April 4, 2005, 23:15:48
Job time : 176.237 secs

Query Match 36.0%; Score 360.6; DB 13; Length 569;


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RESULT 4
US-09-981-353-165
; Sequence 165, Application US/09981353
; Patent No. US20020160382A1
; GENERAL INFORMATION:
; APPLICANT: Lasek, Amy W.
; APPLICANT: Jones, David A.
; TITLE OF INVENTION: GENES EXPRESSED IN COLON CANCER
; FILE REFERENCE: PA-0038 US
; CURRENT APPLICATION NUMBER: US/09/981.353
; CURRENT FILING DATE: 2001-10-11
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PERL Program
; SEQ ID NO 165
; LENGTH: 1636
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20020160382A1 2434655CB1
US-09-981-353-165

Query Match      23.0%; Score 230.2; DB 9; Length 1636;
Best Local Similarity 96.7%; Pred. No. 3.9e-47;
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      759 GTGTTTTCCTCCAGTTATAAGAGAAATGCTATGAGATTATCAAGAATTCACCATGAT 818
Db      1314 GTCAATACCGATTCTCTTATAAGAGAAATGCTATGAGATTATCAAGAATTCACCATGAT 1373

QY      819 CAACCTGTTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA 878
Db      1374 CAACCTGTTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA 1433

QY      879 GGAGCCAAAGCACCTGCGATCAGCTGCCCATGACCTACCTGGTTCAGCACTACTCTATA 938
Db      1434 GGAGCCAAAGCACCTGCGATCAGCTGCCCATGACCTACCTGGTTCAGCACTACTCTATA 1493

QY      939 GATGTGATTGGTTCCTGCTGACCTGTGCGCAACTCTATATTTCTTTGTTACAAAATGT 998
Db      1494 GATGTGATTGGTTCCTGCTGACCTGTGCGCAACTCTATATTTCTTTGTTACAAAATGT 1553

QY      999 TTT 1001
Db      1554 TTT 1556

RESULT 5
US-10-258-080-11
; Sequence 11, Application US/10258080
; Publication No. US20040029125A1
; GENERAL INFORMATION:
; APPLICANT: Incyte Genomics, Inc.
; APPLICANT: POLICKY, Jennifer L.
; APPLICANT: HAFALIA, April J.A.
; APPLICANT: BURFORD, Neil
; APPLICANT: RING, Huijun Z.
; APPLICANT: LAL, Preeti G.
; APPLICANT: TRIBOULEY, Catherine M.
; APPLICANT: YAO, Monique G.
; APPLICANT: YUE, Henry
; APPLICANT: TANG, Y. Tom
; APPLICANT: ARVIZU, Chandra S.
; APPLICANT: DAS, Debopriya
; APPLICANT: SANJANWALA, Madhusudan M.
; APPLICANT: GANDHI, Ameen R.
; APPLICANT: REDDY, Roopa M.
; APPLICANT: KHAN, Farrah A.
; APPLICANT: BAUGHN, Mariah R.
; APPLICANT: RAMKUMAR, Jayalaxmi
; APPLICANT: GRIFFIN, Jennifer A.
; APPLICANT: AU-YOUNG, Janice K.
```

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; TITLE OF INVENTION: DRUG METABOLIZING ENZYMES
; FILE REFERENCE: PI-0070 USN
; CURRENT APPLICATION NUMBER: US/10/258,080
; CURRENT FILING DATE: 2002-10-15
; PRIOR APPLICATION NUMBER: US 60/203,509
; PRIOR FILING DATE: 2000-05-11
; PRIOR APPLICATION NUMBER: US 60/202,234
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/200,185
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: US 60/198,403
; PRIOR FILING DATE: 2000-04-19
; PRIOR APPLICATION NUMBER: PCT/US01/11869
; PRIOR FILING DATE: 2001-04-12
; PRIOR APPLICATION NUMBER: US 60/197,590
; PRIOR FILING DATE: 2000-04-13
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PERL Program
; SEQ ID NO 11
; LENGTH: 1636
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20040029125A1 2434655CB1
US-10-258-080-11

Query Match      23.0%; Score 230.2; DB 17; Length 1636;
Best Local Similarity 96.7%; Pred. No. 3.9e-47;
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      759 GTGTTTTCCTCCAGTTATAAGAGAAATGCTATGAGATTATCAAGAATTCACCATGAT 818
Db      1314 GTCAATACCGATTCTCTTATAAGAGAAATGCTATGAGATTATCAAGAATTCACCATGAT 1373

QY      819 CAACCTGTTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA 878
Db      1374 CAACCTGTTAAAGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGCCACAAA 1433

QY      879 GGAGCCAAAGCACCTGCGATCAGCTGCCCATGACCTACCTGGTTCAGCACTACTCTATA 938
Db      1434 GGAGCCAAAGCACCTGCGATCAGCTGCCCATGACCTACCTGGTTCAGCACTACTCTATA 1493

QY      939 GATGTGATTGGTTCCTGCTGACCTGTGCGCAACTCTATATTTCTTTGTTACAAAATGT 998
Db      1494 GATGTGATTGGTTCCTGCTGACCTGTGCGCAACTCTATATTTCTTTGTTACAAAATGT 1553

QY      999 TTT 1001
Db      1554 TTT 1556

RESULT 6
US-10-114-270-51
; Sequence 51, Application US/10114270
; Publication No. US20040030110A1
; GENERAL INFORMATION:
; APPLICANT: Guo, Xiaojia
; APPLICANT: Kekuda, Ramesh
; APPLICANT: Miller, Charles E.
; APPLICANT: Malyankar, Uriel M.
; APPLICANT: Spytek, Kimberly A.
; APPLICANT: Patturajan, Meera
; APPLICANT: Liu, Ziaohong
; APPLICANT: Gusev, Vladimir Y.
; APPLICANT: Li, Li
; APPLICANT: Vernet, Corine
; APPLICANT: Zerhusen, Bryan D.
; APPLICANT: Gorman, Linda
; APPLICANT: Shenoy, Suresh G.
; APPLICANT: Pena, Carol E.A.
; APPLICANT: Smithson, Glennda
; APPLICANT: Burgess, Catherine E.
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PRIOR APPLICATION NUMBER: 60/062235	
PRIOR FILING DATE: 1997-10-17	
PRIOR APPLICATION NUMBER: 60/063120	
PRIOR FILING DATE: 1997-10-24	
PRIOR APPLICATION NUMBER: 60/063121	
PRIOR FILING DATE: 1997-10-24	
PRIOR APPLICATION NUMBER: 60/063486	
PRIOR FILING DATE: 1997-10-21	
PRIOR APPLICATION NUMBER: 60/063540	
PRIOR FILING DATE: 1997-10-28	
PRIOR APPLICATION NUMBER: 60/063541	
PRIOR FILING DATE: 1997-10-28	
PRIOR APPLICATION NUMBER: 60/063544	
PRIOR FILING DATE: 1997-10-28	
PRIOR APPLICATION NUMBER: 60/063564	
PRIOR FILING DATE: 1997-10-28	
PRIOR APPLICATION NUMBER: 60/063734	
PRIOR FILING DATE: 1997-10-29	
PRIOR APPLICATION NUMBER: 60/063870	
PRIOR FILING DATE: 1997-10-31	
PRIOR APPLICATION NUMBER: 60/064103	
PRIOR FILING DATE: 1997-10-31	
PRIOR APPLICATION NUMBER: 60/065311	
PRIOR FILING DATE: 1997-11-13	
PRIOR APPLICATION NUMBER: 60/066120	
PRIOR FILING DATE: 1997-11-21	
PRIOR APPLICATION NUMBER: 60/066466	
PRIOR FILING DATE: 1997-11-24	
PRIOR APPLICATION NUMBER: 60/066772	
PRIOR FILING DATE: 1997-11-24	
PRIOR APPLICATION NUMBER: 60/069335	
PRIOR FILING DATE: 1997-12-11	
PRIOR APPLICATION NUMBER: 60/069425	
PRIOR FILING DATE: 1997-12-12	
PRIOR APPLICATION NUMBER: 60/069870	
PRIOR FILING DATE: 1997-12-17	
PRIOR APPLICATION NUMBER: 60/068017	
PRIOR FILING DATE: 1997-12-18	
PRIOR APPLICATION NUMBER: 60/077450	
PRIOR FILING DATE: 1998-03-10	
PRIOR APPLICATION NUMBER: 60/077632	
PRIOR FILING DATE: 1998-03-11	
PRIOR APPLICATION NUMBER: 60/077649	
PRIOR FILING DATE: 1998-03-11	
PRIOR APPLICATION NUMBER: 60/078886	
PRIOR FILING DATE: 1998-03-20	
PRIOR APPLICATION NUMBER: 60/078939	
PRIOR FILING DATE: 1998-03-20	
PRIOR APPLICATION NUMBER: 60/079664	
PRIOR FILING DATE: 1998-03-27	
PRIOR APPLICATION NUMBER: 60/080327	
PRIOR FILING DATE: 1998-03-27	
PRIOR APPLICATION NUMBER: 60/080107	
PRIOR FILING DATE: 1998-03-31	
PRIOR APPLICATION NUMBER: 60/080194	
PRIOR FILING DATE: 1998-03-31	
PRIOR APPLICATION NUMBER: 60/080327	
PRIOR FILING DATE: 1998-04-01	
PRIOR APPLICATION NUMBER: 60/080333	
PRIOR FILING DATE: 1998-04-01	
PRIOR APPLICATION NUMBER: 60/081049	
PRIOR FILING DATE: 1998-04-08	
PRIOR APPLICATION NUMBER: 60/081838	
PRIOR FILING DATE: 1998-04-15	
PRIOR APPLICATION NUMBER: 60/082568	
PRIOR FILING DATE: 1998-04-21	
PRIOR APPLICATION NUMBER: 60/082569	
PRIOR FILING DATE: 1998-04-21	
PRIOR APPLICATION NUMBER: 60/082704	

Db 1314 GTCATTACCGATTCTCTTATAAAGAGAAATGCTATGAGATTATCAAGAATTCACCATGAT 1373
Qy 819 CAACCTGTAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATCGGCCACAAA 878
Db 1374 CAACCTGTAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATCGGCCACAAA 1433
Qy 879 GGAGCCAAAGCACCTGCGATCGATGCGCCATGACCTCACCTGGTTCCAGCACTACTCTATA 938
Db 1434 GGAGCCAAAGCACCTGCGATCGATGCGCCATGACCTCACCTGGTTCCAGCACTACTCTATA 1493
Qy 939 GATGTGATTGGTTCTCTGCTGACCTGTGCGCACTGCTATATTTCTTTTTCACAAAATGT 998
Db 1494 GATGTGATTGGTTCTCTGCTGACCTGTGCGCACTGCTATATTTCTTTTTCACAAAATGT 1553
Qy 999 TTT 1001
Db 1554 TTT 1556

RESULT 11
US-10-175-737-521
; Sequence 521, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: F3430R1C41
; CURRENT FILING DATE: 2002-06-18
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063541
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063734
; PRIOR FILING DATE: 1997-10-29
; PRIOR APPLICATION NUMBER: 60/063870
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066120
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/066466
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066772
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/069335
; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069425
; PRIOR FILING DATE: 1997-12-12
; PRIOR APPLICATION NUMBER: 60/069870
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/068017
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20

Query Match 23.0%, Score 230.2; DB 14; Length 2974;
Best Local Similarity 96.7%; Pred. No. 5.2e-47;
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
Qy 759 GTGTTTTCCCTTCAGTTATAAAGAGAATGCTATGAGATTATCAAGAATTCACCATGAT 818
Db 1314 GTCATTACCGATTCTCTTATAAAGAGAAATGCTATGAGATTATCAAGAATTCACCATGAT 1373
Qy 819 CAACCTGTAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATCGGCCACAAA 878
Db 1374 CAACCTGTAAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATCGGCCACAAA 1433
Qy 879 GGAGCCAAAGCACCTGCGATCGATGCGCCATGACCTCACCTGGTTCCAGCACTACTCTATA 938
Db 1434 GGAGCCAAAGCACCTGCGATCGATGCGCCATGACCTCACCTGGTTCCAGCACTACTCTATA 1493
Qy 939 GATGTGATTGGTTCTCTGCTGACCTGTGCGCACTGCTATATTTCTTTTTCACAAAATGT 998
Db 1494 GATGTGATTGGTTCTCTGCTGACCTGTGCGCACTGCTATATTTCTTTTTCACAAAATGT 1553
Qy 999 TTT 1001
Db 1554 TTT 1556

RESULT 12
US-10-174-581-521
; Sequence 521, Application US/10174581
; Publication No. US20030017540A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: F3430R1C41
; CURRENT FILING DATE: 2002-06-18
; PRIOR FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
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; PRIOR APPLICATION NUMBER: 60/063540
; PRIOR FILING DATE: 1997-10-28
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; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063544
; PRIOR FILING DATE: 1997-10-28
; PRIOR APPLICATION NUMBER: 60/063564
; PRIOR FILING DATE: 1997-10-28
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; PRIOR APPLICATION NUMBER: 60/064103
; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
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; PRIOR FILING DATE: 1997-11-21
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; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/066772
; PRIOR FILING DATE: 1997-11-24
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; PRIOR FILING DATE: 1997-12-11
; PRIOR APPLICATION NUMBER: 60/069425
; PRIOR FILING DATE: 1997-12-12
; PRIOR APPLICATION NUMBER: 60/069870
; PRIOR FILING DATE: 1997-12-17
; PRIOR APPLICATION NUMBER: 60/068017
; PRIOR FILING DATE: 1997-12-18
; PRIOR APPLICATION NUMBER: 60/077450
; PRIOR FILING DATE: 1998-03-10
; PRIOR APPLICATION NUMBER: 60/077632
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/077649
; PRIOR FILING DATE: 1998-03-11
; PRIOR APPLICATION NUMBER: 60/078886
; PRIOR FILING DATE: 1998-03-20

/	/	PRIOR APPLICATION NUMBER:	60/0789393
/	/	PRIOR FILING DATE:	1998-03-20
/	/	PRIOR APPLICATION NUMBER:	60/079664
/	/	PRIOR FILING DATE:	1998-03-27
/	/	PRIOR APPLICATION NUMBER:	60/079786
/	/	PRIOR FILING DATE:	1998-03-27
/	/	PRIOR APPLICATION NUMBER:	60/080107
/	/	PRIOR FILING DATE:	1998-03-31
/	/	PRIOR APPLICATION NUMBER:	60/080194
/	/	PRIOR FILING DATE:	1998-03-31
/	/	PRIOR APPLICATION NUMBER:	60/080327
/	/	PRIOR FILING DATE:	1998-04-01
/	/	PRIOR APPLICATION NUMBER:	60/080333
/	/	PRIOR FILING DATE:	1998-04-01
/	/	PRIOR APPLICATION NUMBER:	60/081049
/	/	PRIOR FILING DATE:	1998-04-08
/	/	PRIOR APPLICATION NUMBER:	60/081070
/	/	PRIOR FILING DATE:	1998-04-08
/	/	PRIOR APPLICATION NUMBER:	60/081195
/	/	PRIOR FILING DATE:	1998-04-09
/	/	PRIOR APPLICATION NUMBER:	60/081838
/	/	PRIOR FILING DATE:	1998-04-15
/	/	PRIOR APPLICATION NUMBER:	60/082568
/	/	PRIOR FILING DATE:	1998-04-21
/	/	PRIOR APPLICATION NUMBER:	60/082569
/	/	PRIOR FILING DATE:	1998-04-21
/	/	PRIOR APPLICATION NUMBER:	60/082704
/	/	PRIOR FILING DATE:	1998-04-22
/	/	PRIOR APPLICATION NUMBER:	60/082797
/	/	PRIOR FILING DATE:	1998-04-22
/	/	PRIOR APPLICATION NUMBER:	60/083322
/	/	PRIOR FILING DATE:	1998-04-28
/	/	PRIOR APPLICATION NUMBER:	60/083495
/	/	PRIOR FILING DATE:	1998-04-29
/	/	PRIOR APPLICATION NUMBER:	60/083496
/	/	PRIOR FILING DATE:	1998-04-29
/	/	PRIOR APPLICATION NUMBER:	60/083499
/	/	PRIOR FILING DATE:	1998-04-29
/	/	PRIOR APPLICATION NUMBER:	60/083559
/	/	PRIOR FILING DATE:	1998-04-29
/	/	PRIOR APPLICATION NUMBER:	60/084366
/	/	PRIOR FILING DATE:	1998-05-05
/	/	PRIOR APPLICATION NUMBER:	60/084414
/	/	PRIOR FILING DATE:	1998-05-06
/	/	PRIOR APPLICATION NUMBER:	60/084639
/	/	PRIOR FILING DATE:	1998-05-07
/	/	PRIOR APPLICATION NUMBER:	60/084640
/	/	PRIOR FILING DATE:	1998-05-07
/	/	PRIOR APPLICATION NUMBER:	60/084643
/	/	PRIOR FILING DATE:	1998-05-07
/	/	PRIOR APPLICATION NUMBER:	60/085573
/	/	PRIOR FILING DATE:	1998-05-15
/	/	PRIOR APPLICATION NUMBER:	60/085579
/	/	PRIOR FILING DATE:	1998-05-15
/	/	PRIOR APPLICATION NUMBER:	60/085580
/	/	PRIOR FILING DATE:	1998-05-15
/	/	PRIOR APPLICATION NUMBER:	60/085582
/	/	PRIOR FILING DATE:	1998-05-15
/	/	PRIOR APPLICATION NUMBER:	60/085700
/	/	PRIOR FILING DATE:	1998-05-15
/	/	PRIOR APPLICATION NUMBER:	60/086023
/	/	PRIOR FILING DATE:	1998-05-18
/	/	PRIOR APPLICATION NUMBER:	60/086392
/	/	PRIOR FILING DATE:	1998-05-22
/	/	PRIOR APPLICATION NUMBER:	60/086486
/	/	PRIOR FILING DATE:	1998-05-22
/	/	PRIOR APPLICATION NUMBER:	60/087098
/	/	PRIOR FILING DATE:	1998-05-28
/	/	PRIOR APPLICATION NUMBER:	60/087208
/	/	PRIOR FILING DATE:	1998-05-28
/	/	PRIOR APPLICATION NUMBER:	60/087609
/	/	PRIOR FILING DATE:	1998-06-02
/	/	PRIOR APPLICATION NUMBER:	60/087759

1	PRIOR FILING DATE: 1998-06-02	
2	PRIOR APPLICATION NUMBER: 60/087827	
3	PRIOR FILING DATE: 1998-06-03	
4	PRIOR APPLICATION NUMBER: 60/088025	
5	PRIOR FILING DATE: 1998-06-04	
6	PRIOR APPLICATION NUMBER: 60/088028	
7	PRIOR FILING DATE: 1998-06-04	
8	PRIOR APPLICATION NUMBER: 60/088029	
9	PRIOR FILING DATE: 1998-06-04	
10	PRIOR APPLICATION NUMBER: 60/088033	
11	PRIOR FILING DATE: 1998-06-04	
12	PRIOR APPLICATION NUMBER: 60/088167	
13	PRIOR FILING DATE: 1998-06-05	
14	PRIOR APPLICATION NUMBER: 60/088202	
15	PRIOR FILING DATE: 1998-06-05	
16	PRIOR APPLICATION NUMBER: 60/088212	
17	PRIOR FILING DATE: 1998-06-05	
18	PRIOR APPLICATION NUMBER: 60/088217	
19	PRIOR FILING DATE: 1998-06-05	
20	PRIOR APPLICATION NUMBER: 60/088326	
21	PRIOR FILING DATE: 1998-06-04	
22	PRIOR APPLICATION NUMBER: 60/088655	
23	PRIOR FILING DATE: 1998-06-09	
24	PRIOR APPLICATION NUMBER: 60/088722	
25	PRIOR FILING DATE: 1998-06-10	
26	PRIOR APPLICATION NUMBER: 60/088738	
27	PRIOR FILING DATE: 1998-06-10	
28	PRIOR APPLICATION NUMBER: 60/088740	
29	PRIOR FILING DATE: 1998-06-10	
30	PRIOR APPLICATION NUMBER: 60/088811	
31	PRIOR FILING DATE: 1998-06-10	
32	PRIOR APPLICATION NUMBER: 60/088824	
33	PRIOR FILING DATE: 1998-06-10	
34	PRIOR APPLICATION NUMBER: 60/088825	
35	PRIOR FILING DATE: 1998-06-10	
36	PRIOR APPLICATION NUMBER: 60/088826	
37	PRIOR FILING DATE: 1998-06-10	
38	PRIOR APPLICATION NUMBER: 60/088861	
39	PRIOR FILING DATE: 1998-06-11	
40	PRIOR APPLICATION NUMBER: 60/088863	
41	PRIOR FILING DATE: 1998-06-11	
42	PRIOR APPLICATION NUMBER: 60/088876	
43	PRIOR FILING DATE: 1998-06-11	
44	PRIOR APPLICATION NUMBER: 60/089090	
45	PRIOR FILING DATE: 1998-06-12	
46	PRIOR APPLICATION NUMBER: 60/089105	
47	PRIOR FILING DATE: 1998-06-12	
48	PRIOR APPLICATION NUMBER: 60/089512	
49	PRIOR FILING DATE: 1998-06-16	
50	PRIOR APPLICATION NUMBER: 60/089514	
51	PRIOR FILING DATE: 1998-06-16	
52	PRIOR APPLICATION NUMBER: 60/089538	
53	PRIOR FILING DATE: 1998-06-17	
54	PRIOR APPLICATION NUMBER: 60/089598	
55	PRIOR FILING DATE: 1998-06-17	
56	PRIOR APPLICATION NUMBER: 60/089653	

Query Match 23.0%; Score 230.2; DB 14; Length 2974;
Best Local Similarity 96.7%; Pred. No. 5.2e-47;
Matches 235: Conservative 0; Mismatches 8; Indels 0;

Qy	759	GTGTTTTTCCCTTCCAGCTTATAAAGAGAAATGCTATGAGATTATCAAGAAATTCACCATGAT	818
Db	1314	GTCATTACCGATTCCTCTTATAAAGAGAAATGCTATGAGATTATCAAGAAATTCACCATGAT	1373
Qy	819	CAACCTGTAAAGGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGGCACAAA	878
Db	1374	CAACCTGTAAAGGCCCTTAGATCGAGCAGTCTTCTGGATCGAGTTTGTTCATGCGGCACAAA	1433
Qy	879	GGAGCCAAAGCACTGCGATCAGTCGCCCATGACCTCACCTGGTTCCAGCAGCTACTCTTATA	938
Db	1434	GGAGCCAAAGCACTGCGATCAGTCGCCCATGACCTCACCTGGTTCCAGCAGCTACTCTTATA	1493

QY 939 GATGTGATGGTTCCTGCTGACCTGTGTGGCAACTGCTATATCTTTTTCACAAAATGT 998
Db 1494 GATGTGATGGTTCCTGCTGACCTGTGTGGCAACTGCTATATCTTTTTCACAAAATGT 1553
QY 999 TTT 1001
Db 1554 TTT 1556

RESULT 13

US-10-176-483-521
; Sequence 521, Application US/10176483
; Publication No. US20030017541A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C68
; CURRENT APPLICATION NUMBER: US/10/176,483
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-483-521

Query Match 23.0%; Score 230.2; DB 14; Length 2974;
Best Local Similarity 96.7%; Pred. No. 5.2e-47;
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
QY 759 GTGTTTTTCCCTCCAGTTATAAGAGAATGCTATGAGATTATCAAGAAATTCACCATGAT 818
Db 1314 GTCATTACCGATTCTCTTATAAAGAGAATGCTATGAGATTATCAAGAAATTCACCATGAT 1373
QY 819 CAACCTGTAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTGTCGCGCCACAAA 878
Db 1374 CAACCTGTAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTGTCGCGCCACAAA 1433
QY 879 GGAGCCAAGCACCTGCGATCAGCTGCCCATGACCTCACCTGGTTTCCAGCACTACTCTATA 938
Db 1434 GGAGCCAAGCACCTGCGATCAGCTGCCCATGACCTCACCTGGTTTCCAGCACTACTCTATA 1493
QY 939 GATGTGATGGTTCCTGCTGACCTGTGTGGCAACTGCTATATCTTTTTCACAAAATGT 998
Db 1494 GATGTGATGGTTCCTGCTGACCTGTGTGGCAACTGCTATATCTTTTTCACAAAATGT 1553
QY 999 TTT 1001
Db 1554 TTT 1556

RESULT 14

US-10-176-749-521
; Sequence 521, Application US/10176749
; Publication No. US20030017542A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.

; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C76
; CURRENT APPLICATION NUMBER: US/10/176,749
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-749-521

Query Match 23.0%; Score 230.2; DB 14; Length 2974;
Best Local Similarity 96.7%; Pred. No. 5.2e-47;
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
QY 759 GTGTTTTTCCCTCCAGTTATAAGAGAATGCTATGAGATTATCAAGAAATTCACCATGAT 818
Db 1314 GTCATTACCGATTCTCTTATAAAGAGAATGCTATGAGATTATCAAGAAATTCACCATGAT 1373
QY 819 CAACCTGTAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTGTCGCGCCACAAA 878
Db 1374 CAACCTGTAAGCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTGTCGCGCCACAAA 1433
QY 879 GGAGCCAAGCACCTGCGATCAGCTGCCCATGACCTCACCTGGTTTCCAGCACTACTCTATA 938
Db 1434 GGAGCCAAGCACCTGCGATCAGCTGCCCATGACCTCACCTGGTTTCCAGCACTACTCTATA 1493
QY 939 GATGTGATGGTTCCTGCTGACCTGTGTGGCAACTGCTATATCTTTTTCACAAAATGT 998
Db 1494 GATGTGATGGTTCCTGCTGACCTGTGTGGCAACTGCTATATCTTTTTCACAAAATGT 1553
QY 999 TTT 1001
Db 1554 TTT 1556

RESULT 15

US-10-176-914-521
; Sequence 521, Application US/10176914
; Publication No. US20030017543A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C83
; CURRENT APPLICATION NUMBER: US/10/176,914
; CURRENT FILING DATE: 2002-06-20
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 521
; LENGTH: 2974
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-914-521

Query Match 23.0%; Score 230.2; DB 14; Length 2974;
Best Local Similarity 96.7%; Pred. No. 5.2e-47;
Matches 235; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY	759	GTGTTTTTCCCTTCCAGTTATAAAGAGAATGCTATGAGATTATCAAGAATTCAACCATGAT	818
DB	1314	GTCAATTACCGATTCTCTTTATAAAGAGAATGCTATGAGATTATCAAGAATTCAACCATGAT	1373
QY	819	CAACCTGTAAGCCCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTGCGCCACAAA	878
DB	1374	CAACCTGTAAGCCCCCTAGATCGAGCAGTCTTCTGGATCGAGTTTGTGCGCCACAAA	1433
QY	879	GGAGCCCAAGCACCTGGGATCGAGTGGCCCATGACCTCACCTGGTTCCAGCACTACTCTATA	938
DB	1434	GGAGCCCAAGCACCTGGGATCGAGTGGCCCATGACCTCACCTGGTTCCAGCACTACTCTATA	1493
QY	939	GATGCAATTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTGTTCAAAAATGT	998
DB	1494	GATGCAATTGGGTTCTGCTGACCTGTGTGGCAACTGCTATATTTGTTCAAAAATGT	1553
QY	999	TTT 1001	
DB	1554	TTT 1556	

Search completed: April 5, 2005, 06:53:05
Job time : 626.411 secs


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QY 171 AGATGAAGTGCACACTTATCTTCAATATATCTCAAGATATGTGTG 214
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Db 2375 CGGTGCTCTGGAACGAAACCCGAATATCTCGAGGTATGCCTG 2418

RESULT 2
US-09-949-016-13157/c
; Sequence 13157, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13157
; LENGTH: 107085
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13157

Query Match          9.6%; Score 96.2; DB 4; Length 107085;
Best Local Similarity 70.2%; Pred. No. 1.3e-12;
Matches 144; Conservative 0; Mismatches 58; Indels 3; Gaps 1;

QY 29 TTTTAACATAGTGTGCTATCTCTTTTAAACGTGATGATATGCACAGCTAATAGCCT 88
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 106156 TTTAAATTAAGAAATAATACATCTTTTCAGACATGATGCTATGATCACTTAATAGACT 106097

QY 89 ACAAGGTATGTTAAACATAACTTTTATATGTCCTCGGA---CCCAAAATTTGTGTAATCA 145
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 106096 ACAGTATAGTATAACATAACTTTTCATATGCACTGGAAACCAAAATATGTTACTTA 106037

QY 146 CTTTATGACATATCTCTTTTATGAGATGAACGAACTTATCTTGCATATCTCCAG 205
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 106036 CTTTATGATATTCATTTTATTTGAGTGTCTGTAGCAAACTGCAATATCTCCAGG 105977

QY 206 ATATGTGCTATGGCAATTTCAATA 230
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 105976 GTATGCTGTATTTCTGTCTAAAA 105952

RESULT 3
US-09-949-016-15829
; Sequence 15829, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15829
; LENGTH: 44166
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; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15829

Query Match          9.5%; Score 95.2; DB 4; Length 44166;
Best Local Similarity 66.5%; Pred. No. 1.8e-12;
Matches 153; Conservative 0; Mismatches 73; Indels 4; Gaps 1;

QY 1 GCTTATTATTAGCACCTTTTAGCCATACCTTTTAACTAAGGTATGTGCAATCTCTTTTAAA 60
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 29410 GATGAGTTTTAGCACTTTTTCAGCAATGAATATATTTTAAATTAAGGTACATTTTAAAGA 29469

QY 61 CGTGATGATATTGCACACTAATAGCCTACAGGTATGTTAAACATAACTTTTATATGTC 120
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 29470 CATAATGCTATTGTCACACTTCATATGCTACAGTAGTGTAAACATAACTTTTATATGCC 29529

QY 121 CTGGGACCC---AAATTTGTTGTAATCACCTTTATTGACATATCTCTTTTATTGAGATGA 176
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 29530 CTGAGAAACCCAGAAATTTTGTGACTTACTTTATTGCCATATTCACCTTGATGCGAGTGG 29589

QY 177 ACTGCAACTTATCTTTCGAATATCTCCAAGATATGTGTATGCGCAATTTCA 226
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 29590 TCTGGAACCAATCTACAATATCTCCAAGGTATGATGTCATATCAATAA 29639

RESULT 4
US-09-949-016-14894
; Sequence 14894, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14894
; LENGTH: 54180
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(54180)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14894

Query Match          9.5%; Score 95.2; DB 4; Length 54180;
Best Local Similarity 66.5%; Pred. No. 1.9e-12;
Matches 153; Conservative 0; Mismatches 73; Indels 4; Gaps 1;

QY 1 GCTTATTATTAGCACCTTTTAGCCATACCTTTTAACTAAGGTATGTGCAATCTCTTTTAAA 60
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 39564 GATGAGTTTTAGCACTTTTTCAGCAATGAATATATTTTAAATTAAGGTACATTTTAAAGA 39623

QY 61 CGTGATGATATTGCACACTAATAGCCTACAGGTATGTTAAACATAACTTTTATATGTC 120
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 39624 CATAATGCTATTGTCACACTTCATATGCTACAGTAGTGTAAACATAACTTTTATATGCC 39683

QY 121 CTGGGACCC---AAATTTGTTGTAATCACCTTTATTGACATATCTCTTTTATTGAGATGA 176
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 39684 CTGAGAAACCCAGAAATTTTGTGACTTACTTTTATTGCCATATTCACCTTGATGCGAGTGG 39743

QY 177 ACTGCAACTTATCTTTCGAATATCTCCAAGATATGTGTATGCGCAATTTCA 226
      ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 39744 TCTGGAACCAATCTACAATATCTCCAAGGTATGATGTCATATCAATAA 39793
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RESULT 6
US-09-949-016-14273
; Sequence 14273, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: C0601307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14273
; LENGTH: 237510

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Query Match	9.1%;	Score 91.4;	DB 4;	Length 360470;
Best Local Similarity	67.8%;	Pred. No. 2.4e-11;		
Matches 162;	Conservative 0;	Mismatches 66;	Indels 11;	Gaps 2;
Qy	1	GCTTATTATTAGCAGCTTTTGTGCCATA-----CTTTTAACTAAGGTATGTGCATTCCT	53	
Db	253743	GATAATTGTTAGCANTTTTTCACATAAAGTATTTTTTAAATTAAAGGTATGTGCATTCGTT	253800	
Qy	54	TTTTAAAGCTGATGATATTGGCAGCAGCTAATAGCCCTACAAGGTATGGTTTAAACATAACTTTT	113	
Db	253803	ATTTTTACACATAATACTATTTCACACTTAATAGACTACAGAATAGCGTAAACATAAATCTT	253866	
Qy	114	ATATGTCCTGGGACCC---AAATTGTTGTGAATCACCTTTATTCGACATATTCCTTTTATT	169	
Db	253863	ACATGCACCTGGCTAACACGAAATAATGGTGTAAATCACTGTACTGCATCTCAGTTTATT	253921	
Qy	170	GAGATGAACTCGAACCTTATCTTTGCAATATCTCCAAAGATATGTGTATGGCATTTCAA	228	
Db	253923	GGGTAGTCTTGAATCACTAACCCCTGCAATATCTTAAAGTATCCCTGTAAATCACTTTAA	253981	

RESULT 8
US-09-949-016-12455
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12455
; Sequence 12455, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12455
; LENGTH: 69813
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12455

Query Match 9.0%; Score 89.8; DB 4; Length 69813;
Best Local Similarity 60.5%; Pred. No. 3.6e-11;
Matches 204; Conservative 0; Mismatches 122; Indels 11; Gaps 3;
QY 1 GCTTATTATTAGCACTTTTAGCCAT-----ACTTTTAAGGTATGTGCAATTCCTTT 55
DB 26301 GATGATTGTTAGCATCTTTTAGCAATAAAACATTTTCAATTACTGTGTGATGTTGTT 26360
QY 56 TTAACGCTGATGATATGTCACAGCTTAATAGCTCAAGGTATGGTTAAACATAACTTTTAT 115
DB 26361 TCAGACATAATGCTATGTCACACTTAATAGGCTCAATATAGTGCACATTAATTTAT 26420
QY 116 ATGTCCTGG-----GACCCAAATTTGTGTAATCACTTTTATGACATATTCCTTTATG 170
DB 26421 ATGCATTAGAAAATTAATAAATTCATGTGAGTGTCTTTATGTTATTCACCTTTATG 26480
QY 171 AGATGAACCTGCAACTTATCTTGCATATCTCAAGATATGTGTATGCGCATTTCAAATA 230
DB 26481 TGGCATCTGGAACCAACGTCATATGCTCTGAGTATGCTATACATTA-GTGTACA 26539
QY 231 AGATGTGAATTTATTTTATAGTATATAAAGCAAAATTTAATTTCTTCTTTGATCATC 290
DB 26540 CAATATGATTGAATTCCTACTATAAATCAATTTTACTATTACATTTGTATAATTATG 26599
QY 291 TTTATCCTTGTACTGTGTATTTATCCTTTAAACATT 327
DB 26600 TAAATCTTTTACCACCTGAACCATGCGCTTATCATT 26636

RESULT 9
US-09-949-016-13905
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13905
; Sequence 13905, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13905
; LENGTH: 69813
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13905

NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13905
; Sequence 13905, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13905
; LENGTH: 69813
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13905

Query Match 9.0%; Score 89.8; DB 4; Length 69813;
Best Local Similarity 60.5%; Pred. No. 3.6e-11;
Matches 204; Conservative 0; Mismatches 122; Indels 11; Gaps 3;
QY 1 GCTTATTATTAGCACTTTTAGCCAT-----ACTTTTAAGGTATGTGCAATTCCTTT 55
DB 26301 GATGATTGTTAGCATCTTTTAGCAATAAAACATTTTCAATTACTGTGTGATGTTGTT 26360
QY 56 TTAACGCTGATGATATGTCACAGCTTAATAGCTCAAGGTATGGTTAAACATAACTTTTAT 115
DB 26361 TCAGACATAATGCTATGTCACACTTAATAGGCTCAATATAGTGCACATTAATTTAT 26420
QY 116 ATGTCCTGG-----GACCCAAATTTGTGTAATCACTTTTATGACATATTCCTTTATG 170
DB 26421 ATGCATTAGAAAATTAATAAATTCATGTGAGTGTCTTTATGTTATTCACCTTTATG 26480
QY 171 AGATGAACCTGCAACTTATCTTGCATATCTCAAGATATGTGTATGCGCATTTCAAATA 230
DB 26481 TGGCATCTGGAACCAACGTCATATGCTCTGAGTATGCTATACATTA-GTGTACA 26539
QY 231 AGATGTGAATTTATTTTATAGTATATAAAGCAAAATTTAATTTCTTCTTTGATCATC 290
DB 26540 CAATATGATTGAATTCCTACTATAAATCAATTTTACTATTACATTTGTATAATTATG 26599
QY 291 TTTATCCTTGTACTGTGTATTTATCCTTTAAACATT 327
DB 26600 TAAATCTTTTACCACCTGAACCATGCGCTTATCATT 26636

RESULT 10
US-09-949-016-13906
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13906
; Sequence 13906, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; PRIOR FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13906
; LENGTH: 69813
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-13906

Query Match 9.0%; Score 89.8; DB 4; Length 69813;
Best Local Similarity 60.5%; Pred. No. 3.6e-11;
Matches 204; Conservative 0; Mismatches 122; Indels 11; Gaps 3;
QY 1 GCTTATTATTAGCACTTTTAGCCAT-----ACTTTTAAGGTATGTGCAATTCCTTT 55
DB 26301 GATGATTGTTAGCATCTTTTAGCAATAAAACATTTTCAATTACTGTGTGATGTTGTT 26360
QY 56 TTAACGCTGATGATATGTCACAGCTTAATAGGCTCAAGGTATGGTTAAACATAACTTTTAT 115
DB 26361 TCAGACATAATGCTATGTCACACTTAATAGGCTCAATATAGTGCACATTAATTTAT 26420

Qy 116 ATGTCCTGG-----GACCCAAATTTGTGTGAATCACATTTATGTACATATTCCTTTTATG 170
Db |||||
26421 ATGCATTAGAAAATTAATAAAATTCATGTGAGTTCCTTTATGTGTTATTCACATTTATG 26480
Qy 171 AGATGAATCGCAACTATCTTGCATATCTCCAGATATGTGTGTATGGCATTTCAATA 230
Db |||||
26481 TGGCAATCTGGAACCAACGCGCAATGTCTCTGAGATATGCTATACATTA-GTGTACA 26539
Qy 231 AGATGTGAATATTTTATTAGTATAAAAGCAAAATTAATTTCTTCTTCCTTCATCATC 290
Db |||||
26540 CAATATGATTAATCTTACTATAAATCATTTTACTATTACATTTGTAATAATG 26599
Qy 291 TTTATCCTTGTACTGTGATTTATCTCTTTTAAACATT 327
Db |||||
26600 TAAATCTTTTACCACCTGAACCATGCGCTTATCAT 26636

RESULT 11

US-09-949-016-12861
; Sequence 12861, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12861
; LENGTH: 69833
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12861

Query Match 9.0%; Score 89.8; DB 4; Length 69833;
Best Local Similarity 60.5%; Pred. No. 3.6e-11;
Matches 204; Conservative 0; Mismatches 122; Indels 11; Gaps 3;

Qy 1 GCTTATTATTAGCACTTTTAGCCAT-----ACTTTTAACTAAGGTATGTGCAATTCCTTT 55
Db |||||
26321 GATGATTGTAGCATCTTTTAGCAATAAAACATTTTCAATTAATCTGTGTACATTTGTT 26380
Qy 56 TTAACCTGTATGATTTGCGACGCTAATAGCTACAGGTATGTTAACATACTTTTAT 115
Db |||||
26381 TCAGACATAATGCTATTGCGACACTTAATAGCTACATAATAGTGCACAACTTTTAT 26440
Qy 116 ATGTCCTGG-----GACCCAAATTTGTGTGAATCACATTTTATGCATATTCCTTTTATG 170
Db |||||
26441 ATGCATTAGAAAATTAATAAAATTCATGTGAGTTCCTTTATGTGTTATTCACATTTATG 26500
Qy 171 AGATGAATCGCAACTATCTTGCATATCTCCAGATATGTGTGTATGGCATTTCAATA 230
Db |||||
26501 TGGCAATCTGGAACCAACGCGCAATGTCTCTGAGATATGCTATACATTA-GTGTACA 26559
Qy 231 AGATGTGAATATTTTATTAGTATAAAAGCAAAATTAATTTCTTCTTCCTTCATCATC 290
Db |||||
26560 CAATATGATTTGAATTCCTACTATAAATCATTTTACTATTACATTTGTATAATATG 26619
Qy 291 TTTATCCTTGTACTGTGATTTTATCTCTTTAAACATT 327
Db |||||
26620 TAAATCTTTTACCACCTGAACCATGCGCTTATCAT 26656

RESULT 12

Query Match 8.7%; Score 87.4; DB 4; Length 92387;
Best Local Similarity 72.3%; Pred. No. 1.4e-10;
Matches 141; Conservative 0; Mismatches 51; Indels 3; Gaps 2;

US-09-949-016-15332
; Sequence 15332, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15332
; LENGTH: 71251
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15332

Query Match 8.8%; Score 88; DB 4; Length 71251;
Best Local Similarity 74.1%; Pred. No. 9.6e-11;
Matches 126; Conservative 0; Mismatches 40; Indels 4; Gaps 1;

Qy 53 TTTTAAACGTGATGATATTGCGACAGCTAATAGCTACAGGTATGTTAACATACTTT 112
Db |||||
16118 TTTTGAACATAATGCTGTTGCGACACTTAATAGACTACAGTATAATGTAACATACTTT 16177
Qy 113 TATATGTCCTGGGACCC---AAATTTGTGTAATCACTTTTATGACATATTCCTTTTAT 168
Db |||||
16178 TATATGTCGGAACCAAAATTTGTGTAATCACTTTTATGCGGTATTCCTTTAT 16237
Qy 169 TGAGATGAACCTGCAACTTATCTTGCAATATCTCCAGATATGTGTGTATG 218
Db |||||
16238 TGTGTTGCTGGAACCAACCTGCAATATCTCTGAGGTATTCCTGTATG 16287

RESULT 13

US-09-949-016-14563/c
; Sequence 14563, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14563
; LENGTH: 92387
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(92387)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-14563

Query Match 8.7%; Score 87.4; DB 4; Length 92387;
Best Local Similarity 72.3%; Pred. No. 1.4e-10;
Matches 141; Conservative 0; Mismatches 51; Indels 3; Gaps 2;

Qy	26	TAC	TTTTAACTAAGGTATGTGCATTCCTTTTAA-ACGTGATGATATTGCACAGCTAATA	84	
Db	20613	TA	TTTTAAATTAAGGTATGTACATTGTTTTTAAAGACATAATGCTGCTTGCACACTTACTA	20554	
Qy	85	GCCTACAAGGTATGGTTAACTAATAACTTTTTATATGTCCTGGGACCCAA--ATTTGGTGAA	142		
Db	20553	GACTACATTATAGAGTAAACATAA	CTTATATGCTACTAGAAAACCAAAACACITTTGTTGAC	20494	
Qy	143	TCAC	TTTATTGACATATTCCTTTTATTGAGTGAAC	TGCAACTTATCTTGGCAATATCTCC	202
Db	20493	TTACT	TTTTTTGTGATATTGCTTTTACTGAAGTGTCTGGAACTGGAACCTGCAAAATCTCC	20434	
Qy	203	AGATAT	GTGTGAT	217	
Db	20433	AAGGTATGTCGTAT	20419		

Result No.	Query			DB	ID	Description
	Score	Match	Length			
1	104	10.4	2418	10	US-09-854-867-148	Sequence 148, Appl
2	104	10.4	2418	17	US-10-786-970A-148	Sequence 148, Appl
3	95.8	9.6	418550	19	US-10-292-798-1463	Sequence 1463, Appl
C	94.4	9.4	277616	18	US-10-367-094-83	Sequence 83, Appl
5	93.8	9.4	459	18	US-10-674-124A-8733	Sequence 8733, Appl
C	91.4	9.1	405660	18	US-10-322-696-82	Sequence 82, Appl
7	89.8	9.0	146778	19	US-10-741-600-17710	Sequence 17710, Appl
8	89.6	9.0	464	18	US-10-674-124A-3695	Sequence 3695, Appl
9	88.8	8.9	586	13	US-10-027-632-246784	Sequence 246784, Appl
10	88.8	8.9	586	17	US-10-037-632-246784	Sequence 246784, Appl
11	88.8	8.9	646	13	US-10-037-632-251256	Sequence 251256, Appl

SUMMARIES

Result No.	Query			DB	ID	Description
	Score	Match	Length			
1	104	10.4	2418	10	US-09-854-867-148	Sequence 148, Appl
2	104	10.4	2418	17	US-10-786-970A-148	Sequence 148, Appl
3	95.8	9.6	418550	19	US-10-292-798-1463	Sequence 1463, Appl
C	94.4	9.4	277616	18	US-10-367-094-83	Sequence 83, Appl
5	93.8	9.4	459	18	US-10-674-124A-8733	Sequence 8733, Appl
C	91.4	9.1	405660	18	US-10-322-696-82	Sequence 82, Appl
7	89.8	9.0	146778	19	US-10-741-600-17710	Sequence 17710, Appl
8	89.6	9.0	464	18	US-10-674-124A-3695	Sequence 3695, Appl
9	88.8	8.9	586	13	US-10-027-632-246784	Sequence 246784, Appl
10	88.8	8.9	586	17	US-10-037-632-246784	Sequence 246784, Appl
11	88.8	8.9	646	13	US-10-037-632-251256	Sequence 251256, Appl

Db 2255 TTAGACATAATGC

ALIGNMENTS

Db 2255 TTAGACATAATGC

ALIGNMENTS

Db 2255 TTAGACATAATGC

FEATURE:
; NAME/KEY: CDS
; LOCATION: (415032) .. (415149)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (418185) .. (418350)
US-10-292-798-1463

Query Match 9.6%; Score 95.8; DB 17; Length 418550;
Best Local Similarity 59.2%; Pred. No. 3.1e-08;
Matches 202; Conservative 0; Mismatches 132; Indels 7; Gaps 2;

Qy 26 TACTTTTAACTAAGGTATGCGATTCCTTTTAAAGTGATGATATGCGACAGCTAATAG 85
Db 362942 TATTTTAAATTAAGTATGATATGTTGTTGACACATAATGCTACTGCGACATTAATAG 363001

Qy 86 CCTACAAAGGTATGTTAAACATACTTTTATATGTCCTGGGA---CCCAAAATTTGTGGAA 142
Db 363002 AATACTGTATAGTGTCAACATACTTTTATGACACTGGGAAACCAAAATTTGTGGC 363061

Qy 143 TCACCTTTTATGACATATTCCTTTTATTTAGATGAACCTGCACTTATCTTGCAATATCTCC 202
Db 363062 TCACCTGTATGAGATATCCACTTTTATTTGCACTGTCTGGAATCTAACCTGCGATCTTT 363121

Qy 203 AAGATATGTTGATGCAATTCGAATGAATGAATGAATGAATGAATGAATGAATGAATGA 262
Db 363122 GAGGTGTGCTGTATAGGAAGCAAGTGATTTTGTG---TATATTAGCCTAATATCCTGA 363177

Qy 263 AAATTTAAATTTCTTCTTCTTTGATCATCTTATCCTTTGTTACTGTGATTTATCTTTAA 322
Db 363178 AACTTCTATTAATCACTGTATGTTCCAGAGTTTGTGTTGATTTCTTTGGGACTTTC 363237

Qy 323 ACATTGAATGACTCCAATTTGTTTAAAACTGAGTCTTTCTTA 363
Db 363238 TATATAGACGATCATGTCAITTTGCAACAGACAAATTTTA 363278

RESULT 4
US-10-367-094-83/c
; Sequence 83, Application US/10367094
; Publication No. US20040170982A1
; GENERAL INFORMATION:
; APPLICANT: David W. Morris
; TITLE OF INVENTION: Novel
; FILE REFERENCE: 529452001500
; CURRENT APPLICATION NUMBER: US/10/367,094
; CURRENT FILING DATE: 2003-02-14
; NUMBER OF SEQ ID NOS: 203
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 83
; LENGTH: 277616
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-367-094-83

Query Match 9.4%; Score 94.4; DB 18; Length 277616;
Best Local Similarity 65.2%; Pred. No. 5.1e-08;
Matches 172; Conservative 0; Mismatches 86; Indels 6; Gaps 2;

Qy 26 TACTTTTAACTAAGGTATGCGAT--TCCTTTTAAACGTGATGATATGCGACAGCTAAT 83
Db 173591 TATTTTAAATTAAGGTATGATATGTTTATGACCTAAATGCTATGCGACACTTAA 173532

Qy 84 AGCTACAGGTATGTTAAACATACTTTTATATGCTCTGGGACC---AAATTTGTGT 139
Db 173531 AGACTACAGTATAGTGTAAACATACTTTTATATGATGTAGTGGGAAACAAAAGTTGTGT 173472

Qy 140 GAATCACTTTTATGACATATTCCTTTTATTTAGATGAACCTGCACTTATCTTGCAATATC 199
Db 173471 GATTCACCTTTTATTTGATATTCACCTTTTATTTGTTGTTGTTGTTGTTGTTGTTG 173412

Qy 200 TCCAAGATATGTTGATGCGATTTTCAAAATGAAGATGTGAATTTATTTTATAGTATAAAA 259

Db 173411 TCCAAGGTATGCGTGTATCTTAATCAAGAAGCTGGCATTTCAAAAGTAGGTACAGAAA 173352
Qy 260 AGCAAAATTTAAATTTCTTTCTCTTT 283
Db 173351 TTAGGTTTTTTTTTTTTTTTTTTTT 173328

RESULT 5
US-10-674-124A-8733
; Sequence 8733, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 8733
; LENGTH: 459
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: chr5.fa.07frz.104095493
; OTHER INFORMATION: Located on chromosome 5
; FEATURE:
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 90463926
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 374004
US-10-674-124A-8733

Query Match 9.4%; Score 93.8; DB 18; Length 459;
Best Local Similarity 70.4%; Pred. No. 6.5e-09;
Matches 140; Conservative 0; Mismatches 57; Indels 2; Gaps 1;

Qy 26 TACTTTTAACTAAGGTATGCGATTCCTTTTAAACGTGATGATATGCGACAGCTAATAG 85
Db 188 TATTTTAAATTAAGTATGATGATGTTTATGACATAATGCTATTGTCACACTAATAG 247

Qy 86 CCTACAAAGGTATGTTAAACATACTTTTATATGCTCTGGGACCAAAATTTGTGTGAATCA 145
Db 248 ACTACAGTATAGTGAACGTAAAGTGTATGTCACCTGGAA--AACTTTGTGTGACTCA 305

Qy 146 CTTTATTGACATATTCCTTTTATTTAGATGAACCTGCAACTTATCTTGCAATATCTCCAAG 205
Db 306 GTTATTGAATATTCACCTTTTATTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTTGTT 365

Qy 206 ATATGTTGATGCGATTT 224
Db 366 GTATGCTAAATAGGCTAT 384

RESULT 6
US-10-322-696-82/c
; Sequence 82, Application US/10322696


```
; Publication No. US20040166490A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David W.
; APPLICANT: Malandro, Marc
; TITLE OF INVENTION: NOVEL THERAPEUTIC TARGETS IN CANCER
; FILE REFERENCE: 529452001200
; CURRENT APPLICATION NUMBER: US/10/322,696
; CURRENT FILING DATE: 2003-10-17
; NUMBER OF SEQ ID NOS: 186
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 82
; LENGTH: 405660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(405660)
; OTHER INFORMATION: n = A,T,C or G
US-10-322-696-82

Query Match
Best Local Similarity 9.1%; Score 91.4; DB 18; Length 405660;
Matches 154; Conservative 0; Mismatches 86; Indels 1; Gaps 1;

QY 29 TTTTAACTAAGCTATGTCAT-TCCCTTTTAAACGTGATGATATGCACAGCTAATAGCC 87
DB 220428 TCTTATTTAAGGTATGATATGTTTTTTTGACACGATGTTATTGCACACATTAATAGAC 220369

QY 88 TACAAGGTATGTTAAACATAACTTTTATATGTCCTGGGACCCAAATTTGTGTAATCACT 147
DB 220368 TACAATATAGTAAACATAACTTTTATATGCTACCTGGGAACAAAATTTGTGTTA 220309

QY 148 TTATTGACATATCCTTTTATTGAGATGAACCTGCAACTTATCTTGAATATCTCAAGAT 207
DB 220308 CTTTATTGTCATCTTTATTGCGCTGCTGCAATCAAACTGCAATATCTCAAGT 220249

QY 208 ATGTGTGATGCACTTCAAAATAGATGGAATATTTTATTAGTATAAAGCAAAAT 267
DB 220248 ATGTCATATGTTGTTTGAATTAATATTTATTCTGCTTCAATTTTTCAAAAT 220189

QY 268 T 268
DB 220188 T 220188

RESULT 7
US-10-741-600-17710
; Sequence 17710, Application US/10741600
; Publication No. US20050026169A1
; GENERAL INFORMATION:
; APPLICANT: CARGILL, Michele et al.
; TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH MYOCARDIAL INFARCTION, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001499
; CURRENT APPLICATION NUMBER: US/10/741,600
; CURRENT FILING DATE: 2003-12-22
; NUMBER OF SEQ ID NOS: 73997
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 17710
; LENGTH: 146778
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-600-17710

Query Match
Best Local Similarity 9.0%; Score 89.8; DB 19; Length 146778;
Matches 204; Conservative 0; Mismatches 122; Indels 11; Gaps 3;

QY 1 GCTTATATTAGCACTTTTATAGCCAT-----ACTTTTAACTAAGGTATGTGATCTTCCTTT 55
DB 99269 GATGATTGTTAGCATCTTTTAGCAATAAACAATTTCAATTACTGTGTGTACATTTGTGT 99328

QY 56 TTAAACGTGATGATATGTCACAGCTAATAGCCTACAAGGTATGGTTTAAACATACTTTTAT 115
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DB 99329 TCAGACATAAGTCTATTGACACACTTAATAGGCTCAATATAGTCAACATAACTTTTAT 99388
QY 116 ATGTCCTGG-----GACCCAAATTTGTGTAATCACTTTTATTGACATATTCCTTTTATG 170
DB 99389 ATGCATTAGAAAATTTAAAAAAAATTCATGTGAGTTGCTTTTATTGTTTATTCACCTTTATG 99448
QY 171 AGATGAACCTGCAACTTATCTTGCATATATCTCAAGATATGTTGTATGGCATTTCAAATA 230
DB 99449 TGGCAATCTGGAACCAAAACGTCGAATGCTCTGAGATATGCTATACATTA-GTGTTACA 99507
QY 231 AGATGTGAAATTTATTTTATTAGTATAAAAAAGCAAAATTTTAAATTTCTTCTTTGATCATC 290
DB 99508 CAATATGTTATGAATTCCTACTATATAAATCATTTTACTATTACATTTGTTATATTAATG 99567
QY 291 TTTATCCTTGTGTGTTATTTTATCTTTTAAACATT 327
DB 99568 TAAATCTTTTATACCACCTGAACCATGCGCTTATCAT 99604

RESULT 8
US-10-674-124A-3695
; Sequence 3695, Application US/10674124A
; Publication No. US20040197797A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: TAMIYA, Gen
; TITLE OF INVENTION: GENE MAPPING METHOD USING MICROSATELLITE
; TITLE OF INVENTION: GENETIC POLYMORPHISM MARKERS
; FILE REFERENCE: ORIN-003CIP
; CURRENT APPLICATION NUMBER: US/10/674,124A
; CURRENT FILING DATE: 2003-09-26
; PRIOR APPLICATION NUMBER: 10/257,511
; PRIOR FILING DATE: 2003-03-07
; PRIOR APPLICATION NUMBER: PCT/JP00/07621
; PRIOR FILING DATE: 2000-10-30
; PRIOR APPLICATION NUMBER: JP2000-112699
; PRIOR FILING DATE: 2000-04-13
; PRIOR APPLICATION NUMBER: JP2002-327516
; PRIOR FILING DATE: 2002-09-28
; PRIOR APPLICATION NUMBER: JP2002-383869
; PRIOR FILING DATE: 2002-12-09
; NUMBER OF SEQ ID NOS: 27110
; SEQ ID NO 3695
; LENGTH: 464
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: ACO19201.2_122726
; FEATURE:
; OTHER INFORMATION: Located on chromosome 2
; FEATURE:
; OTHER INFORMATION: Distance between a terminus base of telomere on
; OTHER INFORMATION: chromosomal short arm and 5'-terminus of this base
; OTHER INFORMATION: sequence : 156371502
; FEATURE:
; OTHER INFORMATION: Distance between 3'-terminus of neighbour sequence of
; OTHER INFORMATION: sequence listing upward to telomere on chromosomal short arm and
; OTHER INFORMATION: 5'-terminus of this base sequence : 90344
US-10-674-124A-3695

Query Match
Best Local Similarity 9.0%; Score 89.6; DB 18; Length 464;
Matches 168; Conservative 0; Mismatches 109; Indels 3; Gaps 1;

QY 3 TTATTATTAGCACTTTTATAGCCATCTTTTAACTAAGGTATGTGCACTTCCTTTTAAACG 62
DB 76 TGAACATTAGCATTTTAGCAATAAGTATTTTGAATTAAGTAGTATATTTTATAGACA 135
QY 63 TGATCATATTGCACAGCTTAATAGCCCTACAAGGTATGGTTTAAACATACTTTTATATGCTCT 122
DB 136 TAATGCTCTTGATCACTTAAATAGACTAGTATAGTAAATATAACTTGTATATGCTCT 195
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RESULT 10
US-10-027-632-246784
; Sequence 246784, Application US10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.

RESULT 11

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; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 251256
; LENGTH: 646
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-251256

Query Match      8.9%; Score 88.8; DB 13; Length 646;
Best Local Similarity 62.2%; Pred. No. 7.3e-08;
Matches 158; Conservative 0; Mismatches 92; Indels 4; Gaps 1;

QY 26 TACTTTTAACTAAGGTATGTCATTCCTTTTAAACGTCGATGATATGACAGCTAAATAG 85
Db 107 TATTTTAAATTAAGGTAAGTACATTTGTTTTTAGAGACAATGCCATTCGACCGTTGATAG 166

QY 86 CCTACAAGGTATGGTTAAACATACTTTTATATGTCCTGGGACCC---AAATTTGTGTA 141
Db 167 ACTACAGTATAGTGAATAATAAATCTTTTATATGCAATGGAACAACAAAATTTGTGTA 226

QY 142 ATCACTTTTATGACATATTCCTTTTATGAGATGAACATGCAACTTATCTTGCATATCTC 201
Db 227 CTCACCTTTATGATATTTGCTTAATGAGGTGCTTGGATGAACATGCGCAATATCTC 286

QY 202 CAAGATATGTCGTATGTCATTCCTTTTAAATGAAGATGGAATTTATTTTATAGTATAAAG 261
Db 287 TGTGTGATGAAGTATATACCAAGTGTACAAAATTTCTGGAATCAGAAATGGTTGATTCCTAG 346

QY 262 CAAATTTAATTTTC 275
Db 347 TATTTACAGTTTTC 360

RESULT 13
US-10-027-632-251256
; Sequence 251256, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 251256
; LENGTH: 646
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-251256

Query Match      8.9%; Score 88.8; DB 17; Length 646;
Best Local Similarity 62.2%; Pred. No. 7.3e-08;
Matches 158; Conservative 0; Mismatches 92; Indels 4; Gaps 1;

QY 26 TACTTTTAACTAAGGTATGTCATTCCTTTTAAACGTCGATGATATGACAGCTAAATAG 85
Db 107 TATTTTAAATTAAGGTAAGTACATTTGTTTTTAGAGACAATGCCATTCGACCGTTGATAG 166

QY 86 CCTACAAGGTATGGTTAAACATACTTTTATATGTCCTGGGACCC---AAATTTGTGTA 141
Db 167 ACTACAGTATAGTGAATAATAAATCTTTTATATGCAATGGAACAACAAAATTTGTGTA 226

QY 142 ATCACTTTTATGACATATTCCTTTTATGAGATGAACATGCAACTTATCTTGCATATCTC 201
Db 227 CTCACCTTTATGATATTTGCTTAATGAGGTGCTTGGATGAACATGCGCAATATCTC 286

QY 202 CAAGATATGTCGTATGTCATTCCTTTTAAATGAAGATGGAATTTATTTTATAGTATAAAG 261
Db 287 TGTGTGATGAAGTATATACCAAGTGTACAAAATTTCTGGAATCAGAAATGGTTGATTCCTAG 346

QY 262 CAAATTTAATTTTC 275
Db 347 TATTTACAGTTTTC 360

RESULT 12
US-10-027-632-251257
; Sequence 251257, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 251257
; LENGTH: 646
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-251257

Query Match      8.9%; Score 88.8; DB 13; Length 646;
Best Local Similarity 62.2%; Pred. No. 7.3e-08;
Matches 158; Conservative 0; Mismatches 92; Indels 4; Gaps 1;

QY 26 TACTTTTAACTAAGGTATGTCATTCCTTTTAAACGTCGATGATATGACAGCTAAATAG 85
Db 107 TATTTTAAATTAAGGTAAGTACATTTGTTTTTAGAGACAATGCCATTCGACCGTTGATAG 166
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